

=> fil capl; d que 129; d que 136

FILE 'CAPLUS' ENTERED AT 11:38:40 ON 28 AUG 2003

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FILE COVERS 1907 - 28 Aug 2003 VOL 139 ISS 9

FILE LAST UPDATED: 27 Aug 2003 (20030827/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN  
L9 153975 SEA FILE=CAPLUS ABB=ON (GEL OR GELS OR GELLING)/OBI  
L10 5520 SEA FILE=CAPLUS ABB=ON L3  
L11 7425 SEA FILE=CAPLUS ABB=ON L4  
L12 67 SEA FILE=CAPLUS ABB=ON L5  
L13 37 SEA FILE=CAPLUS ABB=ON L6  
L14 20713 SEA FILE=CAPLUS ABB=ON L7  
L15 2410 SEA FILE=CAPLUS ABB=ON L8  
L16 3813 SEA FILE=CAPLUS ABB=ON (SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS))/OBI  
L17 12988 SEA FILE=CAPLUS ABB=ON ESSENTIAL OILS/CT  
L18 1495 SEA FILE=CAPLUS ABB=ON L17(L) (CITRUS OR LEMON OR ORANGE)  
L23 1129 SEA FILE=CAPLUS ABB=ON (LICE OR LOUSE OR PEDICULITIS OR PEDICULUS OR P CAPITIS)/OBI  
L24 9248 SEA FILE=CAPLUS ABB=ON (MITE# OR FLEA# OR BLOWFL? OR BLOW(W) (FLY OR FLIES))/OBI  
L25 2124 SEA FILE=CAPLUS ABB=ON (ACARIDA# OR PSOROPTIDA# OR PYROGLYPHIDA# OR DERMATOPHAGOIDES OR SARCOPTIDA# OR SARCOPTES OR SCABIES OR TETRANYCHIDA# OR TROMBICULIDA#)/OBI  
L26 13 SEA FILE=CAPLUS ABB=ON (ANOPLURA OR PHTHIRUS)/OBI  
L29 3 SEA FILE=CAPLUS ABB=ON (L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15) AND (L16 OR L18) AND (L23 OR L24 OR L25 OR L26)

oils  
+  
gels  
+  
parasites

L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN  
L10 5520 SEA FILE=CAPLUS ABB=ON L3

L11 7425 SEA FILE=CAPLUS ABB=ON L4  
L12 67 SEA FILE=CAPLUS ABB=ON L5  
L13 37 SEA FILE=CAPLUS ABB=ON L6  
L14 20713 SEA FILE=CAPLUS ABB=ON L7  
L15 2410 SEA FILE=CAPLUS ABB=ON L8  
L16 3813 SEA FILE=CAPLUS ABB=ON (SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA  
OR OFFICINALIS))/OBI  
L17 12988 SEA FILE=CAPLUS ABB=ON ESSENTIAL OILS/CT  
L18 1495 SEA FILE=CAPLUS ABB=ON L17(L) (CITRUS OR LEMON OR ORANGE)  
L21 125 SEA FILE=CAPLUS ABB=ON (L10 OR L11 OR L12 OR L13 OR L14 OR  
L15) AND (L16 OR L18)  
L35 3920 SEA FILE=CAPLUS ABB=ON PARASITICIDES/CT  
L36 3 SEA FILE=CAPLUS ABB=ON L21 AND L35

=> s 129 or 136

L158 5 L29 OR L36

=> fil uspatf; d que 163

FILE 'USPATFULL' ENTERED AT 11:38:41 ON 28 AUG 2003  
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Aug 2003 (20030828/PD)  
FILE LAST UPDATED: 28 Aug 2003 (20030828/ED)  
HIGHEST GRANTED PATENT NUMBER: US6611958  
HIGHEST APPLICATION PUBLICATION NUMBER: US2003163860  
CA INDEXING IS CURRENT THROUGH 28 Aug 2003 (20030828/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Aug 2003 (20030828/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2003  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<  
>>> <<<  
>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN

L38 873 SEA FILE=USPATFULL ABB=ON L3  
 L39 1639 SEA FILE=USPATFULL ABB=ON L4  
 L40 8 SEA FILE=USPATFULL ABB=ON L5  
 L41 21 SEA FILE=USPATFULL ABB=ON L6  
 L42 5397 SEA FILE=USPATFULL ABB=ON L7  
 L43 728 SEA FILE=USPATFULL ABB=ON L8  
 L44 10316 SEA FILE=USPATFULL ABB=ON (AGAR OR AGAROSE OR GELATIN# OR  
 GLYCERYL POLYMETHACRYLATE OR PROPYLENE GLYCOL OR CARBOMER#)/IT  
 L45 42394 SEA FILE=USPATFULL ABB=ON (GEL OR GELS OR GELLING)/IT, TI, AB, CL  
 M  
 L46 260 SEA FILE=USPATFULL ABB=ON ESSENTIAL OILS/CT(L) (LEMON OR  
 ORANGE OR CITRUS)/IT  
 L47 175 SEA FILE=USPATFULL ABB=ON (SALVIA OR SAGE OR S(W) (LAVANDULIFOL  
 IA OR OFFICINALIS))/IT  
 L48 2528 SEA FILE=USPATFULL ABB=ON (LICE OR LOUSE OR PEDICULITIS OR  
 PEDICULUS OR P CAPITIS)  
 L49 149 SEA FILE=USPATFULL ABB=ON (LICE OR LOUSE OR PEDICULITIS OR  
 PEDICULUS OR P CAPITIS)/IT  
 L50 11983 SEA FILE=USPATFULL ABB=ON (MITE# OR FLEA# OR BLOWFL? OR  
 BLOW(W) (FLY OR FLIES))  
 L51 434 SEA FILE=USPATFULL ABB=ON (MITE# OR FLEA# OR BLOWFL? OR  
 BLOW(W) (FLY OR FLIES))/IT  
 L52 1306 SEA FILE=USPATFULL ABB=ON (ANOPLURA OR PHTHIRUS)  
 L53 0 SEA FILE=USPATFULL ABB=ON (ANOPLURA OR PHTHIRUS)/IT  
 L54 2487 SEA FILE=USPATFULL ABB=ON (ACARIDA# OR PSOROPTIDA# OR  
 PYROGLYPHIDA# OR DERMATOPHAGOIDES OR SARCOPTIDA# OR SARCOPTES  
 OR SCABIES OR TETRANYCHIDA# OR TROMBICULIDA#)  
 L55 137 SEA FILE=USPATFULL ABB=ON (ACARIDA# OR PSOROPTIDA# OR  
 PYROGLYPHIDA# OR DERMATOPHAGOIDES OR SARCOPTIDA# OR SARCOPTES  
 OR SCABIES OR TETRANYCHIDA# OR TROMBICULIDA#)/IT  
 L56 1162 SEA FILE=USPATFULL ABB=ON PARASITICIDES/CT  
 L61 392 SEA FILE=USPATFULL ABB=ON (LEMON OR ORANGE OR CITRUS) (A) OIL#/I  
 T, TI, AB, CLM  
 L63 10 SEA FILE=USPATFULL ABB=ON (L38 OR L39 OR L40 OR L41 OR L42 OR  
 L43 OR L44 OR L45) AND ((L46 OR L47) OR L61) AND (L48 OR L49  
 OR L50 OR L51 OR L52 OR L53 OR L54 OR L55 OR L56)

=> fil drugu vetu; d que 188;d que 183

FILE 'DRUGU' ENTERED AT 11:38:42 ON 28 AUG 2003  
 COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'VETU' ENTERED AT 11:38:42 ON 28 AUG 2003  
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L69 387 SEA SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS)  
 L70 67 SEA OIL#(A) (CITRUS OR LEMON OR ORANGE)  
 L74 522 SEA (LICE OR LOUSE OR PEDICULITIS OR PEDICULUS OR P CAPITIS)  
 L75 2482 SEA (MITE# OR FLEA# OR BLOWFL? OR BLOW(W) (FLY OR FLIES))  
 L76 18 SEA (ANOPLURA OR PHTHIRUS)  
 L77 979 SEA (ACARIDA# OR PSOROPTIDA# OR PYROGLYPHIDA# OR DERMATOPHAGOID  
 ES OR SARCOPTIDA# OR SARCOPTES OR SCABIES OR TETRANYCHIDA# OR  
 TROMBICULIDA#)  
 L87 714 SEA ANTIPARASIT?  
 L88 2 SEA (L69 OR L70) AND ((L74 OR L75 OR L76 OR L77) OR L87)

L67 16495 SEA GEL OR GELS OR GELLING  
 L68 16543 SEA AGAR OR AGAROSE OR GELATIN# OR GLYCERYL(W) (POLYMETHACRYLATE  
 OR POLY(W) (METHACRYLATE OR METH ACRYLATE) OR POLYMETH

ACRYLATE) OR PROPYLENE GLYCOL# OR CARBOMER#  
L69 387 SEA SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS)  
L70 67 SEA OIL#(A) (CITRUS OR LEMON OR ORANGE)  
L74 522 SEA (LICE OR LOUSE OR PEDICULITIS OR PEDICULUS OR P CAPITIS)  
L75 2482 SEA (MITE# OR FLEA# OR BLOWFL? OR BLOW(W) (FLY OR FLIES))  
L76 18 SEA (ANOPLURA OR PHTHIRUS)  
L77 979 SEA (ACARIDA# OR PSOROPTIDA# OR PYROGLYPHIDA# OR DERMATOPHAGOID  
ES OR SARCOPTIDA# OR SARCOPTES OR SCABIES OR TETRANYCHIDA# OR  
TROMBICULIDA#)  
L82 9886 SEA PARASIT? OR ANTIPARASIT?  
L83 0 SEA (L67 OR L68) AND (L69 OR L70) AND ((L74 OR L75 OR L76 OR  
L77) OR L82)

=> fil wpids; d que 1104

FILE 'WPIDS' ENTERED AT 11:38:43 ON 28 AUG 2003  
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FILE LAST UPDATED: 21 AUG 2003 <20030821/UP>  
MOST RECENT DERWENT UPDATE: 200354 <200354/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> DUE TO TECHNICAL ISSUES THE UPDATE 200353 HAD TO BE BACKED  
OUT AND REPROCESSED. SDIS WILL BE RERUN. ALREADY  
COLLECTED ONLINE SDI RESULTS MAY HAVE BEEN AFFECTED.  
POSSIBLE DUPLICATE SHIPPINGS OF ONLINE SDIS WILL NOT BE  
CHARGED FOR. ONLINE SEARCHES CONDUCTED BETWEEN TUESDAY AND  
THURSDAY MORNING MAY ALSO HAVE BEEN INCOMPLETE IF THEY  
CONCERNED THE 200353 DATA AND NEED TO BE RERUN IN THESE  
CASES. AFFECTED SEARCHES WILL BE CREDITED OF COURSE. WE  
APOLOGIZE FOR ANY INCONVENIENCE CAUSED <<<

>>> NEW WEEKLY SDI FREQUENCY AVAILABLE --> see NEWS <<<

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,  
SEE <http://www.derwent.com/dwpi/updates/dwpcov/index.html> <<<

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,  
PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
GUIDES, PLEASE VISIT:  
[http://www.derwent.com/userguides/dwpi\\_guide.html](http://www.derwent.com/userguides/dwpi_guide.html) <<<

L89 88209 SEA FILE=WPIDS ABB=ON GEL OR GELS OR GELLING  
L90 47071 SEA FILE=WPIDS ABB=ON AGAR OR AGAROSE OR GELATIN# OR GLYCERYL(  
W) (POLYMETHACRYLATE OR POLY(W) (METHACRYLATE OR METH ACRYLATE)  
OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR CARBOMER#  
L91 2156 SEA FILE=WPIDS ABB=ON SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA  
OR OFFICINAL?)  
L92 1258 SEA FILE=WPIDS ABB=ON OIL#(2A) (CITRUS OR LEMON OR ORANGE)  
L96 879 SEA FILE=WPIDS ABB=ON (LICE OR LOUSE OR PEDICULITIS OR  
PEDICULUS OR P CAPITIS)  
L97 6736 SEA FILE=WPIDS ABB=ON (MITE# OR FLEA# OR BLOWFL? OR BLOW(W) (FL  
Y OR FLIES)) OR (ANOPLURA OR PHTHIRUS)  
L98 567 SEA FILE=WPIDS ABB=ON (ACARIDA# OR PSOROPTIDA# OR PYROGLYPHIDA

# OR DERMATOPHAGOIDES OR SARCOPTIDA# OR SARCOPTES OR SCABIES  
OR TETRANYCHIDA# OR TROMBICULIDA#)  
L99 22964 SEA FILE=WPIDS ABB=ON PARASIT? OR ANTIPARASIT?  
L104 6 SEA FILE=WPIDS ABB=ON (L89 OR L90) AND (L91 OR L92) AND (L96  
OR L97 OR L98 OR L99)

=> fil biosis; d que 1128

FILE 'BIOSIS' ENTERED AT 11:38:45 ON 28 AUG 2003  
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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 27 August 2003 (20030827/ED)

L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN  
L110 235100 SEA FILE=BIOSIS ABB=ON GEL OR GELS OR GELLING  
L111 78267 SEA FILE=BIOSIS ABB=ON AGAR OR AGAROSE OR GELATIN# OR  
GLYCERYL(W) (POLYMETHACRYLATE OR POLY(W) (METHACRYLATE OR METH  
ACRYLATE) OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR  
CARBOMER#  
L112 18236 SEA FILE=BIOSIS ABB=ON (L3 OR L4 OR L5 OR L6 OR L7 OR L8)  
L113 3919 SEA FILE=BIOSIS ABB=ON SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA  
OR OFFICINAL?)  
L114 740 SEA FILE=BIOSIS ABB=ON OIL#(2A) (CITRUS OR LEMON OR ORANGE) ,  
L118 3024 SEA FILE=BIOSIS ABB=ON (LICE OR LOUSE OR PEDICULITIS OR  
PEDICULUS OR P CAPITIS)  
L119 32032 SEA FILE=BIOSIS ABB=ON (MITE# OR FLEA# OR BLOWFL? OR BLOW(W) (F  
LY OR FLIES)) OR (ANOPLURA OR PHTHIRUS)  
L120 8327 SEA FILE=BIOSIS ABB=ON (ACARIDA# OR PSOROPTIDA# OR PYROGLYPHID  
A# OR DERMATOPHAGOIDES OR SARCOPTIDA# OR SARCOPTES OR SCABIES  
OR TETRANYCHIDA# OR TROMBICULIDA#)  
L127 208146 SEA FILE=BIOSIS ABB=ON PARASIT? OR ANTIPARASIT?  
L128 2 SEA FILE=BIOSIS ABB=ON (L110 OR L111 OR L112) AND (L113 OR  
L114) AND ((L118 OR L119 OR L120) OR L127)

=> dup rem 188,1158,1128,1104,163

FILE 'VETU' ENTERED AT 11:39:07 ON 28 AUG 2003  
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FILE 'BIOSIS' ENTERED AT 11:39:07 ON 28 AUG 2003  
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FILE 'WPIDS' ENTERED AT 11:39:07 ON 28 AUG 2003  
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FILE 'USPATFULL' ENTERED AT 11:39:07 ON 28 AUG 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)  
PROCESSING COMPLETED FOR L88  
PROCESSING COMPLETED FOR L158  
PROCESSING COMPLETED FOR L128  
PROCESSING COMPLETED FOR L104  
PROCESSING COMPLETED FOR L63

L159 21 DÜP REM L88-L158-L128-L104-L63 (4 DUPLICATES REMOVED)

ANSWERS '1-2' FROM FILE VETU  
ANSWERS '3-7' FROM FILE CAPLUS  
ANSWER '8' FROM FILE BIOSIS  
ANSWERS '9-12' FROM FILE WPIDS  
ANSWERS '13-21' FROM FILE USPATFULL

=> d iall 1-2; d ibib ab hitrn 3-7; d iall 8-12; d ibib ab hitrn 13-21

L159 ANSWER 1 OF 21 VETU COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2000-61807 VETU

TITLE: Literature survey of the possible use of phytopharmaceuticals  
in veterinary indications for sheep and goats.  
(Literaturstudie ueber Einsatzmoeglichkeiten von  
Phytopharmaka bei veterinaermedizinischen Indikationen von  
Schaf und Ziege)

AUTHOR: Zitterl Eglseer K; Moder H; Franz C; Zitterl W

CORPORATE SOURCE: Univ.Vienna-Vet.Med.; Univ.Vienna

LOCATION: Vienna, Austria

SOURCE: Wien.Tieraerztl.Monatsschr. (87, No. 4, 111-21, 2000) 7 Tab.  
82 Ref.

CODEN: WTMOA3

AVAIL. OF DOC.: Veterinaerplatz 1, A-1210 Wien, Austria. (email:  
karin.zitterl@vu-wien.ac.at).

LANGUAGE: German

DOCUMENT TYPE: Journal

#### ABSTRACT:

A survey of 40 references to medicinal plants in the veterinary literature from 1697-1898 is presented. Lists of plants for future therapeutic studies in diseases of the GI tract, skin, respiratory tract, cardiovascular system and urinary tract of sheep and goats are tabulated. The plants were evaluated according to different categories, (1) those still used in veterinary medicine, (2) plants recommended for clinical study in sheep and goats, (3) plants supplementing therapy, (4) plants that have been rarely studied, (5) toxic plants and (6) plants lacking activity.

#### ABSTRACT EXTENSION:

The literature was drawn from mainly German speaking sources, currently including Austria, Hungary, Czech Republic, Slovakia, Slovenia, Germany, Poland and Switzerland. Lists of medicinal plants and their corresponding active constituents and veterinary indications for future use in sheep and goats are tabulated. The plants include *Achillea millefolium* (yarrow), *Allium sativum* (garlic), *Althaea archangelica*, *Boswellia sacra* (frankincense), *Carum carvi* (caraway), *Cnicus benedictus*, *Crataegus monogyna* (hawthorn), *Gentian lutea*, *Geranium robertianum* (herb robert), *Glycyrrhiza glabra* (licorice), *Hedera helix* (ivy), *Hyssopus officinalis* (hyssop), *Hypericum perforatum* (St. Johns wort), *Juglans regia* (walnut), *Juniperus communis* (juniper), *Laurus nobilis* (laurel), *Melilotus officinalis* (melilot), *Melissa officinalis*, *Menyanthes trifoliata* (bogbean), *Pimpinella major* (greater burnet), *Polygala amara* (milkwort), *Potentilla erecta* (tormentil), *Rosmarinus officinalis* (rosemary), \*\*\**Salvia*\*\*\* *officinalis* (sage), *Sambucus nigra* (elder), *Taraxacum officinale* (dandelion), *Trigonella foenum-graecum* (fenugreek) and *Viola odorata* (sweet violet). The active ingredients of these medicinal plants include flavonoids, coumarins, sesquiterpene lactones, saponins, phytosterols, phenols,

plant acids and tannins, which display numerous pharmacological effects, e.g. antiinflammatory, spasmolytic, antibacterial, antiparasitic, cardiant, diuretic and expectorant activities.

CLASSIF. CODE: 2 Anthelmintics, Acaricides and Insecticides  
3 Antibacterials and Bacteria

## CONTROLLED TERM:

[01]

REVIEW \*FT; SHEEP \*FT; GOAT \*FT; ANTIINFLAMMATORY \*FT;  
SPASMOLYTIC \*FT; PHYTONCIDE \*FT; ANTHELMINTIC \*FT; CARDIANT  
\*FT; DIURETIC \*FT; EXPECTORANT \*FT; FARM-ANIMAL \*FT  
ACHILLEA \*FT; MILLEFOLIUM \*FT; ALLIUM \*FT; SATIVUM \*FT;  
ALTHAEA \*FT; ARCHANGELICA \*FT; BOSWELLIA \*FT; SACRA \*FT;  
CARUM \*FT; CARVI \*FT; CNICUS \*FT; BENEDICTUS \*FT; CRATAEGUS  
\*FT; MONOGYNA \*FT; GENTIAN \*FT; LUTEA \*FT; GERANIUM \*FT;  
ROBERTIANUM \*FT; GLYCYRRHIZA \*FT; GLABRA \*FT; HEDERA \*FT;  
HELIX \*FT; HYSSOPUS \*FT; OFFICINALIS \*FT; HYPERICUM \*FT;  
PERFORATUM \*FT; JUGLANS \*FT; REGIA \*FT; JUNIPERUS \*FT;  
COMMUNIS \*FT; LAURUS \*FT; NOBILIS \*FT; MELILOTUS \*FT; MELISSA  
\*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; MOLLUSC \*FT; OC \*FT;  
PH \*FT

[02]

MENYANTHES \*FT; TRIFOLIATA \*FT; PIMPINELLA \*FT; MAJOR \*FT;  
POLYGALA \*FT; AMARA \*FT; POTENTILLA \*FT; ERECTA \*FT;  
ROSMARINUS \*FT; SALVIA \*FT; SAMBUCUS \*FT; NIGRA  
\*FT; TARAXACUM \*FT; OFFICINALE \*FT; TRIGONELLA \*FT;  
FOENUM-GRAECUM \*FT; VIOLA \*FT; ODORATA \*FT; OC \*FT; PH \*FT  
AB; LA; CT

## FIELD AVAIL.:

L159 ANSWER 2 OF 21 VETU COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 1999-61511 VETU  
TITLE: The use of aromatic oils in the therapy of several diseases  
in bees.  
(Zastosowanie olejkow aromatycznych w leczeniu niektorych  
chorob pszczol)  
AUTHOR: Muszynska J  
CORPORATE SOURCE: Inst.Fruit-Farm.+Hort.Pulawy  
LOCATION: Pulawy, Pol.  
SOURCE: Med.Weter. (55, No. 3, 167-68, 1999) 12 Ref.  
CODEN: MDWTAG  
AVAIL. OF DOC.: ul. Kaniowczykow 15/14, 24-100 Pulawy, Poland.  
LANGUAGE: Polish  
DOCUMENT TYPE: Journal

## ABSTRACT:

A brief review of experiences with the use of aromatic (essential) oils in the treatment of several infectious diseases of bees, viz. varroasis, sac brood disease, American foul brood and chalk brood. Studies in the use of such oils are in a preliminary phase, however, results indicate that this may be a promising new method in control of these diseases. The bacteriocide, fungicide and acaricide activities of these oils may explain the relationship between intensity of the bee diseases and the quality of the honey obtained.

## ABSTRACT EXTENSION:

Encouraging results have been reported in the use of several aromatic oils introduced into the hive as a fumigating vapor or in a sugar-honey paste in reducing infection of bee populations with *Varroa jacobsoni* mites. These oils include peppermint (*Mentha piperita*), camomile (*Matricaria chamomilla*), rosemary (*Rosmarinus officinalis*), *Gaultheria procumbens*, thyme (*Thymus vulgaris*), sage (*Salvia officinalis*) and pine oils (*Pinus* spp.). References are also cited for the use of aromatic oils in

control of other bee diseases, e.g. cinnamon (*Cinnamomum* sp.), lemon (*Citrus sinensis*), caraway (*Carum cyminu*), thyme and comfrey (*Symphytum officinale*) against *Bac. larvae*, *Cymbopogon citratus* and thyme oils against *Panibac. larvae* and most of the above oils against foul brood and chalk brood.

CLASSIF. CODE: 2 Anthelmintics, Acaricides and Insecticides  
3 Antibacterials and Bacteria  
6 Fungicides and Fungi  
9 Large (and Farm) Animal Therapy

## CONTROLLED TERM:

CHALKBROOD \*TR; FOUL-BROOD \*TR; SAC-BROOD \*TR;  
INFESTATION, ECTOPARASITE \*TR; INFECTION, FUNGUS \*TR;  
INFECTION, BACT. \*TR; IN-VIVO \*FT; BEE \*FT; REVIEW \*FT; BAC.  
\*FT; LARVAE \*FT; VARROA \*FT; JACOBSONI \*FT; PANIBAC. \*FT;  
ASCOPHAERA \*FT; APIS \*FT; FUNGUS \*FT; ARTHROPOD \*FT;  
FARM-ANIMAL \*FT; BACT. \*FT; GRAM-POS. \*FT; MITE  
\*FT; ARTHROPOD \*FT

[01] MAIN-TOPIC \*FT; TR \*FT

[02] PEPPERMINT-OIL \*TR; CHAMOMILE-OIL \*TR; ROSEMARY-OIL \*TR;  
THYME-OIL \*TR; SAGE-OIL \*TR; PINE-OIL \*TR;  
CINNAMON-OIL \*TR; LEMON-OIL \*TR;  
CARAWAY-OIL \*TR; COMFREY-OIL \*TR; PHYTONCIDE \*FT; ACARICIDE  
\*FT; FUNGICIDE \*FT; TR \*FT

FIELD AVAIL.: AB; LA; CT

L159 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2002:84544 CAPLUS

DOCUMENT NUMBER: 136:139595

TITLE: Use of essential oils to repel and treat head  
lice

INVENTOR(S): Whittleledge, Karen L.

PATENT ASSIGNEE(S): USA

SOURCE: U.S., 6 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6342253	B1	20020129	US 2000-574188	20000518
PRIORITY APPLN. INFO.:			US 1999-134690P	P 19990518

AB Natural comps. of three essential oils effective as both a head lice repellent and treatment of *Pediculosis capitis* are described. The comps. comprise essential anise oil 3.5-50% by vol., tea tree oil 2.5-40% by vol., and lemon oil 2-20% by vol., combined with a pharmaceutically and/or cosmetically acceptable carrier for topical administration. Carriers used are, e.g., aq. or alc. solns., a gel, or a cream with or without additives such as preservatives, antioxidants, fragrances, and agents increasing soly. or delaying release of active agents. The active agent in concd. form can be added to shampoos, hair sprays, rinses, styling gels or other personal preference haircare products. The active agent can also be used to treat material such as bedding, hair bows, headbands, caps, hats, helmet liners, brushes, and combs. For example, repellent pump spray for topical use was prepd. contg. SD alc. 40 (200 proof) 50.00%, anise oil 4.50%, tea tree oil 3.50%, lemon oil 2.00%, water 38.00%, and fragrance 2.00%.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L159 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2  
ACCESSION NUMBER: 2000:772403 CAPLUS  
DOCUMENT NUMBER: 133:318548  
TITLE: Insecticidal gel compositions against human and animal parasites containing essential oils  
INVENTOR(S): Wilkinson, John Alfred  
PATENT ASSIGNEE(S): UK  
SOURCE: PCT Int. Appl., 50 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000064265	A2	20001102	WO 2000-GB1589	20000425
WO 2000064265	A3	20010125		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1185178	A2	20020313	EP 2000-925479	20000425
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
PRIORITY APPLN. INFO.:			GB 1999-9469 A 19990423	
			WO 2000-GB1589 W 20000425	
AB	Insecticidal gel compns. comprise an essential oil obtained from plants of the genera Salvia, Artemisia, Citrus, Juniperus, Laurus, Myristica, Origanum, Piper, or Aloysia, and a gel carrier. The compns. are useful for controlling humans' and animals' parasitic infestations such as lice and mites, as well as for treatment of furnishings, clothing and plants.			
IT	57-55-6, Propylene glycol, uses 9002-18-0, Agar 9012-36-6, Agarose 146126-21-8, Glyceryl polymethacrylate			
RL:	MOA (Modifier or additive use); USES (Uses) (gel carrier in insecticidal compns. against human and animal parasites contg. essential oils)			

L159 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2002:671827 CAPLUS  
DOCUMENT NUMBER: 137:206549  
TITLE: Absorbable solid compositions for topical treatment of oral mucosal disorders  
INVENTOR(S): Domb, Avraham J.; Wolnerman, Joseph Simcha  
PATENT ASSIGNEE(S): Efrat Biopolymers Ltd., Israel  
SOURCE: Eur. Pat. Appl., 25 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 1236466 A1 20020904 EP 2002-251320 20020226  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2003003140 A1 20030102 US 2002-83413 20020227

PRIORITY APPLN. INFO.: US 2001-271735P P 20010228

AB A solid, self-bioadhesive compn. is provided for topical application that adheres to the oral mucosal tissue comprising a therapeutically effective amt. of at least one herbal or homeopathic active agent and a pharmaceutically acceptable solid bioadhesive carrier in an amt. of about 40-99% based on the wt. of the whole compn. A herbal agent is selected from bioactive herb exts., tinctures and essential oils. The compn. further comprises a non-herbal active agent, e.g., analgesics, anti-inflammatory agents, antihistaminics, antiallergics, antimicrobial drugs, vitamins, enzymes, etc. For example, tablets were prepd. by compression molding of herbal and non-herbal actives in powder form and mixts. of Carbopol 934 and HPMC. The formulation contained a herbal powder (an equal ratio of Echinacea, Calendula and golden seal exts.) 10 mg, vancomycin 1 mg, Carbopol 934 50 mg, and mint ext. 5 mg. The cap coating was composed of a mixt. of 5 mg of Mg-stearate and 5 mg Carbopol/HPMC (2:1 by wt.). The prepn. was used by patients exhibiting herpetic stomatitis lesions, aphthous ulcers, mucosal inflammation, toothache, RAS, and lesions on the lips, tang, and gingiva.

IT 9007-16-3, Carbopol 934 76050-42-5, Carbopol 940

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(absorbable solid compns. for topical treatment of oral mucosal disorders)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L159 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:525899 CAPLUS

DOCUMENT NUMBER: 135:127192

TITLE: Nonaqueous compositions for administration of pharmaceuticals or agrochemicals or biocides

INVENTOR(S): Campbell, William R.; Omilinsky, Barry A.

PATENT ASSIGNEE(S): Blue Ridge Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001051028	A2	20010719	WO 2001-US876	20010112
WO 2001051028	A3	20020307		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-483084 A 20000114

AB The present invention provides non-aq. compns. which comprise a pharmacol. or biol. active compd., an emulsifier, a polyol, and benzyl alc. The compns. are useful for administering the pharmacol. or biol. active compds. which they contain to animals, plants, or ground surfaces. In preferred embodiments, the pharmacol. or biol. active compds. may be water-insol. or water-labile. The compns. of the present invention allow

these compds. to be solubilized and conveniently transported to a site of application in a non-aq. form, and then dild. in an aq. soln. In a particularly preferred embodiment, the compd. is ivermectin and is administered in the drinking water of poultry. The compns. of the present invention may also contain multiple pharmacol. or biol. active compds. which are administrated simultaneously. The present invention also provides methods of administering the compds. In the most preferred embodiment, the compds. may be administered in the drinking water of animals to be treated with the pharmacol. or biol. active compd. In other embodiments, the compns. may be topically applied to the animals or plants to be treated, or sprayed onto plants, animals, or a ground surface to be treated with the active compds. A nonaq. formulation of ivermectin was prepd. and dild. into the drinking water of male turkeys. The formulation was effective in completely eliminating any visible signs of roundworm infestation.

IT 57-55-6, Propylene glycol, biological studies

RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(nonaq. compns. for administration of pharmaceuticals or agrochems. or biocides)

L159 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1998:388688 CAPLUS

DOCUMENT NUMBER: 129:66836

TITLE: Method to detect IgE

INVENTOR(S): Frank, Robert Glenn; Porter, James P.; Rushlow, Keith E.; Wassom, Donald L.

PATENT ASSIGNEE(S): Heska Corporation, USA

SOURCE: PCT Int. Appl., 71 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9823964	A1	19980604	WO 1997-US21651	19971124
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 5945294	A	19990831	US 1996-756387	19961126
AU 9874114	A1	19980622	AU 1998-74114	19971124
EP 943097	A1	19990922	EP 1997-949625	19971124
EP 943097	B1	20030730		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2001507792	T2	20010612	JP 1998-526731	19971124
US 6309832	B1	20011030	US 1999-285873	19990331
US 2002034771	A1	20020321	US 2001-944277	20010830
PRIORITY APPLN. INFO.:			US 1996-756387 A	19961126
			WO 1997-US21651 W	19971124
			US 1999-285873 A3	19990331

AB The present invention includes a method to detect IgE using a human Fc epsilon receptor (Fc.epsilon.R) to detect IgE antibodies in a biol. sample from a cat, a dog, or a horse. The present invention also relates to kits to perform such methods. The kits comprise an allergen common to all regions of the United States and a human Fc.epsilon. receptor mol.

IT 9012-36-6, Agarose

RL: ARU (Analytical role, unclassified); DEV (Device component use); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(test kit comprising allergen and human Fc.epsilon.R for detecting IgE)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L159 ANSWER 8 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2001:330424 BIOSIS

DOCUMENT NUMBER: PREV200100330424

TITLE: Gliocladium catenulatum as a potential biological control agent of damping-off in bedding plants.

AUTHOR(S): McQuilken, M. P. (1); Gemmell, J.; Lahdenpera, M.-L.

CORPORATE SOURCE: (1) Department of Plant Biology, Scottish Agricultural College, Auchincruive, Ayr, KA6 5HW: m.mcquilken@au.sac.ac.uk UK

SOURCE: Journal of Phytopathology (Berlin), (April, 2001) Vol. 149, No. 3-4, pp. 171-178. print. ISSN: 0931-1785.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English; German

ABSTRACT:

Hyphal interactions between the antagonist *Gliocladium catenulatum* and the soil-borne plant pathogenic fungi, *Pythium ultimum* and *Rhizoctonia solani*, were investigated in dual culture by scanning electron microscopy. *Gliocladium catenulatum* hyphae grew along and sometimes coiled loosely around those of the pathogens. Appressorium-like structures were produced by the antagonist which aided in holding and penetrating the hosts' hyphae. Partial destruction of these was observed in the later stages of parasitism. A wettable powder formulation of the antagonist was then evaluated for biological control of damping-off in bedding plant seedlings grown in a peat-based growing medium, artificially infested with *P. ultimum* or *R. solani*. A growing medium incorporation or drench of the formulation were, in general, equally effective in reducing damping-off and, in most cases, as effective as fungicide drenches of propamocarb HCl or tolclofos-methyl. Populations of *G. catenulatum* survived well in the pathogen-infested growing medium with levels of >106 colony forming units/cm<sup>3</sup> being detected 28 days after application. Survival of *G. catenulatum* in the formulation and subsequent ability to reduce damping-off was unaffected by storage for 48 weeks at 15°C. Further, agar tests with fungicides showed that furalaxyl, propamocarb HCl and fosetyl-aluminium were minimally detrimental to the growth of the antagonist. The commercial implications of the results are discussed.

CONCEPT CODE: Phytopathology - Diseases Caused by Fungi \*54502  
Horticulture - Flowers and Ornamentals \*53010  
Horticulture - General; Miscellaneous and Mixed Crops \*53012

Phytopathology - Disease Control \*54516  
Pest Control, General; Pesticides; Herbicides \*54600  
BIOSYSTEMATIC CODE: Fungi Imperfecti or Deuteromycetes 15500  
Phycomycetes 15900  
Campanulaceae 25730  
Labiatae 26230

INDEX TERMS: Major Concepts  
Horticulture (Agriculture); Infection; Pest Assessment  
Control and Management

INDEX TERMS: Diseases  
damping-off: fungal disease

INDEX TERMS: Miscellaneous Descriptors

ORGANISM: hyphal interaction  
Super Taxa  
Campanulaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Fungi Imperfecti or Deuteromycetes: Fungi, Plantae; Labiatae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Phycomycetes: Fungi, Plantae

ORGANISM: Organism Name  
Gliocladium catenulatum (Fungi Imperfecti or Deuteromycetes): antagonist, potential biological control agent; Lobelia erinus [lobelia] (Campanulaceae): bedding plant, host, ornamental; Pythium ultimum (Phycomycetes): phytopathogen; Rhizoctonia solani (Fungi Imperfecti or Deuteromycetes): phytopathogen; **Salvia fulgens** [salvia] (Labiatae): bedding plant, host, ornamental

ORGANISM: Organism Superterms  
Angiosperms; Dicots; Fungi; Microorganisms; Nonvascular Plants; Plants; Spermatophytes; Vascular Plants

L159 ANSWER 9 OF 21 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2002-610363 [66] WPIDS  
DOC. NO. CPI: C2002-172762  
TITLE: Composition useful for sanitizing/hygienizing by inhibiting and removing fungi, bacteria, mites and moulds comprises a binary mixture of 2-isopropyl-5-methylphenol and benzyl benzoate as active ingredient.  
DERWENT CLASS: C03 D22 E14  
INVENTOR(S): BERGOMI, M  
PATENT ASSIGNEE(S): (BBMT-N) BB & MT ITAL DI BERGOMI MAURIZIO SAS  
COUNTRY COUNT: 26  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
EP 1228689	A1	20020807	(200266)*	EN	12	A01N037-10	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR							

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 1228689	A1	EP 2002-2113	20020129

PRIORITY APPLN. INFO: IT 2001-MI174 20010131  
INT. PATENT CLASSIF.:

MAIN: A01N037-10  
SECONDARY: A01N031-08; A01N065-00  
INDEX: A01N031-08, A01N037:10, A01N065:00

## BASIC ABSTRACT:

EP 1228689 A UPAB: 20021014  
NOVELTY - A composition (A) comprises a binary mixture of 2-isopropyl-5-methylphenol (I) (at least 0.01) and benzyl benzoate (II) (at least 0.15), as an active ingredient.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) granulates comprising (A) and a solid support made of homogenous or variously sized grains consisting of synthetic, animal or vegetable organic material or inorganic material;

(2) spray solutions comprising (w/w.%): (A) (10) and a solvent selected from hydroalcoholic mixture based on water and linear or branched aliphatic 1-5C alcohol; and

(3) water-soluble solutions comprising (w/w.%): (A) and an emollient

selected from polyoxyethylene esters of optionally saturated 8-18C fatty acids.

ACTIVITY - Fungicide; Antibacterial; Acaricide; Antiallergic.

MECHANISM OF ACTION - None given.

USE - For inhibiting and removing fungi, bacteria, mites and moulds from houses. The granulates and water soluble solutions are useful in household cleaning appliances and apparatus for air-conditioning aeration and forced-air ventilation of houses (all claimed). The appliances include vacuum cleaners for dust and particulate suction, steam jet appliances for the hygiene of washable surface, appliances for dedusting and washing carpets, moquettes and other washable surfaces with and without fabrics.

ADVANTAGE - The composition is capable of efficaciously and durably hindering the proliferation of allergenic and antihygenic pollutants.

Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: C10-E02; C10-G02; C14-A01; C14-A04; C14-B04A;  
D09-A01B; D09-B; E10-E02U; E10-G02F1

L159 ANSWER 10 OF 21 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 1999-478739 [40] WPIDS  
DOC. NO. CPI: C1999-140772  
TITLE: Antimicrobial polymeric material for protecting e.g. food stuff and medical devices.  
DERWENT CLASS: A18 A28 A60 A94 A96.B07 C07 D22 E19 F06 F07 F08 H01 H03 K06  
INVENTOR(S): CRAVER, W E; SEABROOK, S G  
PATENT ASSIGNEE(S): (MAGE-N) MAGELLAN CO INC  
COUNTRY COUNT: 84  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 9920258	A1	19990429	(199940)*	EN	61	A61K009-70	
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW							
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW							
AU 9911051	A	19990510	(199940)				
US 5906825	A	19990525	(199940)			A01N025-34	
EP 1024796	A1	20000809	(200039)	EN		A61K009-70	
R: BE CH DE ES FR GB GR IE IT LI SE							

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9920258	A1	WO 1998-US22157	19981020
AU 9911051	A	AU 1999-11051	19981020
US 5906825	A	US 1997-953908	19971020
EP 1024796	A1	EP 1998-953770	19981020
		WO 1998-US22157	19981020

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9911051	A Based on	WO 9920258
EP 1024796	A1 Based on	WO 9920258

PRIORITY APPLN. INFO: US 1997-953908 19971020  
INT. PATENT CLASSIF.:

MAIN: A01N025-34; A61K009-70

BASIC ABSTRACT:

WO 9920258 A UPAB: 19991004

NOVELTY - Antimicrobial polymeric material comprises (a) a polymeric substrate; and (ii) at least one phytochemical from a naturally occurring source dispersed in the substrate to inhibit the growth of microorganisms that come in contact with the substrate:

USE - The polymeric material can be used to produce plastic articles that protect food products, medical devices, plants or other agricultural products or water lines against microorganisms such as bacteria, algae, fungi, yeasts, viruses and **parasites**. The material may also be used in the floral industry (e.g. for plastic floral buckets), in industry (e.g. for packaging perishables, for oil and gas pipe lines, in sewage treatment facilities, as aircraft fuselage interiors, for NASA applications in space, in animal litter, litter boxes and liners and as swimming pool liners), for marine use (e.g. on ship hulls and marine ropes), for agricultural use (e.g. as crop mulch, seed trays and drip irrigation components) and for medical and dental use (e.g. in bandages contact lenses, bed liners and implants).

ADVANTAGE - The phytochemicals are safe for human contact, safe for contact with food, and are derived from natural ingredients or from compositions known to be non-toxic.

Dwg.0/3

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: A08-M02; A12-P01; A12-V03; B04-C03B; B12-M10A;  
B14-A01; B14-B04; B14-B12; C04-C03B; C12-M10A;  
C14-A01; C14-B04; C14-B12; D09-A01C; E10-C02A;  
F03-C02B; F04-E04; H01-D01; H03-B; K06-X

L159 ANSWER 11 OF 21 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 1998-207871 [19] WPIDS

DOC. NO. CPI: C1998-065591

TITLE: Synergistic mixture of essential oils or essences -  
useful in pharmaceutical, veterinary, plant treatment,  
cosmetic and/or care applications, e.g. as disinfectant  
and deodorant.

DERWENT CLASS: B04 C03 D15 D21 D22 D23 F06 F09

INVENTOR(S): LINSIG, D; RICHLI, T

PATENT ASSIGNEE(S): (LINS-I) LINSIG D; (RICH-I) RICHLI T

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
CH 688787	A5	19980331	(199819)*	GE	5	A01N065-00	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
CH 688787	A5	CH 1995-2515	19950905

PRIORITY APPLN. INFO: CH 1995-2515 19950905

INT. PATENT CLASSIF.:

MAIN: A01N065-00

SECONDARY: A61K007-40; A61K035-78

BASIC ABSTRACT:

CH 688787 A UPAB: 19980604

A composition (A) contains at least 2 natural essential oils and/or

essences with a synergistic action in the biological, physiological and/or psychic areas of the organism.

Also claimed is a composition (B) in the form of a concentrate, sprayable or dispersible diluate or aqueous and/or alcoholic liquid, oil, emulsion, cream, paste, **gel** or ointment, containing 0.5-99 (preferably 1-10) wt.% (A).

Preferably (A) contains 3-8 essential oils selected from ginger, cedar, clove, templein, ylang-ylang, fennel, balm mint, benzoin, peppermint, geranium, bergamot, tagetes, cardamom, tea-tree, frankincense (olibanum), marjoram, lavender, eucalyptus, patchouli, **sage**, caraway, cajeput, thyme, peru balsam, lemon, sandalwood, rosemary, citronella, myrrh, cypress, orange blossom and/or vetiver oils.

(A) optionally further contains one or more of: (i) an additional plant extract as active agent, preferably from Calendula, Urtica urens, Echinacea, Millefolium, Hamamelis, Aristolochia and/or Symphytum; (ii) at least 1 carrier and/or solvent selected from natural vegetable oils; balsams; fats, resins or waxes; and alcohols and (iii) one or more auxiliaries selected from binders, emulsifiers and carriers, surfactants, antioxidants and additional care components (e.g. vitamins A, B, C and E).

USE - (A) or (B) is used as a care, cosmetic or pharmaceutical agent, specifically for humans, animals or plants; or for care or treatment of articles, materials, rooms, air; water or the environment of humans, animals and/or plants (all claimed).

(A) shows antiseptic, antimicrobial, antiviral, antibiotic, bactericidal, disinfecting, fungicidal, fungistatic, **antiparasitic**, antiinflammatory, skin-protective, itching/irritation reducing, and healing, growth and/or blood flow promoting activity.

In humans (A) is useful for combatting body odour, stress and/or tension, dry and/or rough skin, dull, brittle and/or dry hair or **parasite** infestation (e.g. by lice or insects); disinfecting insect bites, burns, cuts etc.; promoting wound granulation; strengthening; promoting digestion and/or metabolism; and reinforcing the immune system and/or defence mechanism.

In animals (A) is useful for skin care, for wound treatment, as anti-gnawing agents, in care or anti-**parasitic** shampoos or for foot care.

In plants (A) is useful for promoting flower, fruit and/or root growth, strengthening and increasing resistance to **parasites**.

(A) is also useful for e.g. disinfection and/or deodorisation in general (e.g. of clothes, rooms or animal dwelling places); treatment, purification or disinfection of water and/or air; or care or treatment of materials and articles such as leather, wood or textiles.

ADVANTAGE - The combinations have synergistically increased and/or more specific action. (A) has no harmful side-effects and is environmentally friendly.

Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB  
MANUAL CODES: CPI: B04-B01C1; C04-B01C1; B04-N01; C04-N01; B04-N02;  
C04-N02; B10-E04D; C10-E04D; B14-A01; C14-A01;  
B14-A02; C14-A02; B14-A04; C14-A04; B14-B02;  
C14-B02; B14-C03; C14-C03; B14-S09; C14-S09;  
D04-A01P; D08-B03; D08-B09; D09-A01C; D09-B;  
D10-A05A; F05-B01

L159 ANSWER 12 OF 21 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 1998-051935 [05] WPIDS  
DOC. NO. CPI: C1998-017758  
TITLE: Controlling infestations in honey bee colonies e.g.  
varroa mites - using slow release **gel**  
containing essential oil or organic acid e.g. thymol.  
DERWENT CLASS: B04 C03  
INVENTOR(S): WATKINS, M



PATENT ASSIGNEE(S): (NOVS) NOVARTIS AG; (VITA-N) VITA EURO LTD; (WATK-I)  
WATKINS M  
COUNTRY COUNT: 78  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 9747193	A1	19971218	(199805)*	EN	16	A01N037-02	
RW: AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW							
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU							
AU 9733382	A	19980107	(199820)			A01N037-02	
EP 869714	A1	19981014	(199845)	EN		A01N037-02	
R: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT RO SE SI							
CZ 9804102	A3	19990616	(199929)			A01N037-02	
SK 9801692	A3	19990712	(199939)			A01N037-02	
CN 1227465	A	19990901	(199953)			A01N037-02	
EP 869714	B1	20000830	(200042)	EN		A01N037-02	
R: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT RO SE SI							
MX 9810601	A1	19990401	(200055)			A01N037-02	
DE 69702960	E	20001005	(200057)			A01N037-02	
JP 2000515124	W	20001114	(200062)		15	A01N037-02	
ES 2150262	T3	20001116	(200064)			A01N037-02	
KR 2000016567	A	20000325	(200104)			A01N037-02	
HU 9903305	A2	20010328	(200124)			A01N037-02	
US 2001014346	A1	20010816	(200149)			A01N065-00	
IL 127409	A	20010826	(200157)			A01N037-02	
SK 283054	B6	20030204	(200318)			A01N037-02	

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9747193	A1	WO 1997-EP3078	19970612
AU 9733382	A	AU 1997-33382	19970612
EP 869714	A1	EP 1997-929177	19970612
		WO 1997-EP3078	19970612
CZ 9804102	A3	WO 1997-EP3078	19970612
		CZ 1998-4102	19970612
SK 9801692	A3	WO 1997-EP3078	19970612
		SK 1998-1692	19970612
CN 1227465	A	CN 1997-197142	19970612
EP 869714	B1	EP 1997-929177	19970612
		WO 1997-EP3078	19970612
MX 9810601	A1	MX 1998-10601	19981211
DE 69702960	E	DE 1997-602960	19970612
		EP 1997-929177	19970612
		WO 1997-EP3078	19970612
JP 2000515124	W	WO 1997-EP3078	19970612
		JP 1998-501215	19970612
ES 2150262	T3	EP 1997-929177	19970612
KR 2000016567	A	WO 1997-EP3078	19970612
		KR 1998-710159	19981211
HU 9903305	A2	WO 1997-EP3078	19970612
		HU 1999-3305	19970612
US 2001014346	A1 Cont of	US 1997-991779	19971216
		US 2001-765601	20010122
IL 127409	A	IL 1997-127409	19970612
SK 283054	B6	WO 1997-EP3078	19970612

SK 1998-1692 19970612

## FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 9733382	A	Based on	WO 9747193
EP 869714	A1	Based on	WO 9747193
CZ 9804102	A3	Based on	WO 9747193
EP 869714	B1	Based on	WO 9747193
DE 69702960	E	Based on	EP 869714
		Based on	WO 9747193
JP 2000515124	W	Based on	WO 9747193
ES 2150262	T3	Based on	EP 869714
KR 2000016567	A	Based on	WO 9747193
HU 9903305	A2	Based on	WO 9747193
IL 127409	A	Based on	WO 9747193
SK 283054	B6	Previous Publ.	SK 9801692
		Based on	WO 9747193

PRIORITY APPLN. INFO: GB 1996-12403 19960613

## INT. PATENT CLASSIF.:

MAIN: A01N037-02; A01N065-00  
SECONDARY: A01N027-00; A01N031-04; A01N031-06; A01N031-08;  
A01N035-06; A01N037-04; A61K031-19

## BASIC ABSTRACT:

WO 9747193 A UPAB: 19980202

A method of controlling acarid, lepidopteran, fungal and bacterial infestations in colonies of honeybees, comprises application of a slow release formulation, containing an essential oil or organic acid, to the locus of the honeybee colonies.

The slow release **gel** is also claimed.

The **gel** is in the form of a shallow tray dispenser with a hermetically sealing lid, **gel** strips, **gel** pellets, **gel** tablets or dispenser tray filled with these forms, and is used for a 4-6 week treatment period.

The oil or acid is preferably a monoterpene or natural oil (preferably menthol, geraniol, thymol, myrcene, citral, limonene, carene, camphor, eugenol, cineol, **lemon oil**, eucalyptus oil or neem oil) or an organic acid (e.g. formic, acetic or oxalic acid), particularly thymol.

USE - The method is useful for controlling pests of Varroa jacobsoni, Acarapis woodii and Tropilaelaps clareae; Galleria mellonella and Achroia grisella; Braula caeca; Ascosphaera apis; Bacillus larvae and Melissococcus pluton.

ADVANTAGE - The formulation is effective in controlling both pyrethroid-resistant and susceptible Varroa jacobsoni **mites**.

Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: B04-B01C; C04-B01C; B14-B04A; C14-B04A

L159 ANSWER 13 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2003:3106 USPATFULL

TITLE: Absorbable solid compositions for topical treatment of oral mucosal disorders

INVENTOR(S): Domb, Avraham J., Erfat, ISRAEL  
Wolnerman, Joseph Simcha, Jerusalem, ISRAEL

PATENT ASSIGNEE(S): EFRAT BIOPOLYMERS LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003003140	A1	20030102
APPLICATION INFO.:	US 2002-83413	A1	20020227 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-271735P	20010228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SUGHRUE MION, PLLC, 2100 Pennsylvania Avenue, Washington, DC, 20037-3213	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1561	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a solid, self-bioadhesive composition for topical application that adheres to the oral mucosal tissue comprising a therapeutically effective amount of at least one herbal or homeopathic active agent; and a pharmaceutically acceptable solid bioadhesive carrier in an amount from about 40 to 99 percent based on the weight of the whole composition.

IT 9007-16-3, Carbopol 934 76050-42-5, Carbopol 940  
(absorbable solid compns. for topical treatment of oral mucosal disorders)

L159 ANSWER 14 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2002:323068 USPATFULL  
TITLE: Cleaning compositions  
INVENTOR(S): Jalalian, Mohammad, Darmstadt, GERMANY, FEDERAL  
REPUBLIC OF  
Prenzel, Maria Elisabeth, Biebesheim, GERMANY, FEDERAL  
REPUBLIC OF  
Martin, Roland, Weinheim, GERMANY, FEDERAL REPUBLIC OF  
Rosell I Oller, Francesc, Barcelona, SPAIN  
PATENT ASSIGNEE(S): Merck Patent GmbH, Darmstadt, GERMANY, FEDERAL REPUBLIC  
OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002183234	A1	20021205
	US 6548469	B2	20030415
APPLICATION INFO.:	US 2002-166179	A1	20020611 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-284132, filed on 13 Apr 1999, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1996-19642957	19961017
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MILLEN, WHITE, ZELANO & BRANIGAN, P.C., 2200 CLARENDON BLVD., SUITE 1400, ARLINGTON, VA, 22201	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	388	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to cleaning compositions which comprise the insect repellent ethyl 3-(N-butylacetamino)propionate and the use of this insect repellent in all types of cleaning compositions for repelling insects. This invention furthermore relates to a method for cleaning and for simultaneously repelling insects in which cleaning compositions comprising ethyl 3-(N-butylacetamino)propionate are used.

L159 ANSWER 15 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2002:60937 USPATFULL

TITLE: Method to detect IgE

INVENTOR(S): Frank, Glenn R., Wellington, CO, UNITED STATES  
Porter, James P., Fort Collins, CO, UNITED STATES  
Rushlow, Keith E., Fort Collins, CO, UNITED STATES  
Wassom, Donald L., Fort Collins, CO, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002034771	A1	20020321
APPLICATION INFO.:	US 2001-944277	A1	20010830 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-285873, filed on 31 Mar 1999, GRANTED, Pat. No. US 6309832 Division of Ser. No. US 1996-756387, filed on 26 Nov 1996, GRANTED, Pat. No. US 5945294		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Heska Corporation, Intellectual Property Dept., 1613 Prospect Parkway, Fort Collins, CO, 80525		
NUMBER OF CLAIMS:	105		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Page(s)		
LINE COUNT:	2278		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB The present invention includes a method to detect IgE using a human Fc epsilon receptor (Fc.sub.epsilon.R) to detect IgE antibodies in a biological sample from a cat, a dog, or a horse. The present invention also relates to kits to perform such methods.

IT 9012-36-6, Agarose  
(test kit comprising allergen and human Fc.epsilon.R for detecting IgE)

L159 ANSWER 16 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2002:246401 USPATFULL

TITLE: Edible thermoplastic and nutritious pet chew

INVENTOR(S): Wang, Shu Huan, Plano, TX, United States

PATENT ASSIGNEE(S): Natural Polymer International Corporation, Richardson, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6455083	B1	20020924
APPLICATION INFO.:	US 1999-467412		19991220 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-145659, filed on 2 Sep 1998, now patented, Pat. No. US 6379725 Continuation-in-part of Ser. No. US 1998-72857, filed on 5 May 1998, now patented, Pat. No. US 5922379		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Corbin, Arthur L.		
LEGAL REPRESENTATIVE:	Madson & Metcalf		
NUMBER OF CLAIMS:	36		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	854		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

AB The present invention relates to an edible thermoplastic made from about 30 to 50 wt. % protein comprising a mixture of plant and animal derived protein, about 20 to 50 wt. % starch about 10 to 20 wt. % water, about 1 to 10 wt. % edible fiber, and about 0.5 to 3 wt. % metallic salt hydrate. When molded, the thermoplastic has good strength and stiffness and other physical properties. The edible thermoplastic may be molded in

a variety of shapes including a segmented nutritional pet chew with a plurality of segments separated by a plurality of scores. The scores serve to structurally weaken the pet chew so that it may be broken into smaller pieces. When molded the edible thermoplastic has a density of about 1.2 to 1.5 g/cubic centimeters.

IT 57-55-6, Propylene glycol, biological studies

9002-18-0, Agar

(plant and animal protein-based edible thermoplastic and nutritious pet chew)

L159 ANSWER 17 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2001:133897 USPATFULL  
TITLE: Organic compounds  
INVENTOR(S): Watkins, Max, Odiham, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001014346	A1	20010816
APPLICATION INFO.:	US 2001-765601	A1	20010122 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-991779, filed on 16 Dec 1997, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-12403	19960612
	WO 1997-EP3078	19970612
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Bernhard D. Saxe, FOLEY & LARDNER, Washington Harbour, 3000 K Street, N.W., Suite 500, Washington, DC, 20007-5109	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
LINE COUNT:	376	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention concerns a method for the control of various diseases in bee-hives by applying to the bee-hives an effective amount of an essential oil in a slow-release formulation whereby the term oils embraces but is not limited to oils extractable from plant or the essential component thereof such as monoterpenes like menthol, geraniol, thymol, myrcene, citral, limonene, carene, camphor, eugenol, or cineol (eucalyptol); natural oils like lemon oil, eucalyptus oil, or neem oil; or organic acids like formic acid, acetic acid or oxalic acid. Most preferred are monoterpenes like thymol or menthol. Most preferred is thymol.

L159 ANSWER 18 OF 21 USPATFULL on STN

ACCESSION NUMBER: 2001:190910 USPATFULL  
TITLE: Method to detect IgE  
INVENTOR(S): Frank, Glenn R., Wellington, CO, United States  
Porter, James P., Fort Collins, CO, United States  
Rushlow, Keith E., Fort Collins, CO, United States  
Wassom, Donald L., Fort Collins, CO, United States  
PATENT ASSIGNEE(S): Heska Corporation, Fort Collins, CO, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6309832	B1	20011030
APPLICATION INFO.:	US 1999-285873		19990331 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-756387, filed on 26 Nov 1996, now patented, Pat. No. US 5945294		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Swartz, Rodney P.  
LEGAL REPRESENTATIVE: Heska Corporation  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)  
LINE COUNT: 1536

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention includes a method to detect IgE using a human Fc epsilon receptor (Fc.sub.epsilon. R) to detect IgE antibodies in a biological sample from a cat, a dog, or a horse. The present invention also relates to kits to perform such methods.

IT 9012-36-6, Agarose  
(test kit comprising allergen and human Fc.epsilon.R for detecting IgE)

L159 ANSWER 19 OF 21 USPATFULL on STN

ACCESSION NUMBER: 1999:124474 USPATFULL  
TITLE: Insect repellent composition and method for inhibiting the transmission and treatment of symptoms of vector-borne diseases  
INVENTOR(S): Petrus, Edward J., Austin, TX, United States  
PATENT ASSIGNEE(S): Advanced Medical Instruments, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5965137		19991012
APPLICATION INFO.:	US 1998-192421		19981116 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Witz, Jean C.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	439		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A topical composition for the delivery of bio-affecting agents through the protective outer layer of skin into the underlying tissues and into the general circulation to prevent the causes and symptoms of vector-borne diseases. The transdermal penetration is achieved by the use of an essential volatile oil with insect repellent capabilities, such as eucalyptus oil. The bio-affective agents may be a combination of a zinc salt and form of vitamin A. A zinc salt may also be used for photoprotective purposes. The topical composition can be formulated as a solution, suspension, cream, ointment, gel, film or spray.

L159 ANSWER 20 OF 21 USPATFULL on STN

ACCESSION NUMBER: 1999:102683 USPATFULL  
TITLE: Method to detect IgE  
INVENTOR(S): Frank, Glenn R., Wellington, CO, United States  
Porter, James P., Fort Collins, CO, United States  
Rushlow, Keith E., Fort Collins, CO, United States  
Wassom, Donald L., Fort Collins, CO, United States  
PATENT ASSIGNEE(S): Heska Corporation, Fort Collins, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5945294		19990831
APPLICATION INFO.:	US 1996-756387		19961126 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Housel, James		
ASSISTANT EXAMINER:	Swartz, Rodney P.		

LEGAL REPRESENTATIVE: Heska Corporation  
NUMBER OF CLAIMS: 77  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)  
LINE COUNT: 2155

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention includes a method to detect IgE using a human Fc epsilon receptor (Fc.sub..epsilon. R) to detect IgE antibodies in a biological sample from a cat, a dog, or a horse. The present invention also relates to kits to perform such methods.

IT 9012-36-6, Agarose

(test kit comprising allergen and human Fc.epsilon.R for detecting IgE)

L159 ANSWER 21 OF 21 USPATFULL on STN

ACCESSION NUMBER: 95:90171 USPATFULL

TITLE: Flexible, hydrophilic gel film, the process for its production and the use of it

INVENTOR(S): Roreger, Michael, Neuwied, Germany, Federal Republic of  
Herrmann, Fritz, Neuwied, Germany, Federal Republic of  
Hoffmann, Hans-Rainer, Neuwied, Germany, Federal Republic of

PATENT ASSIGNEE(S): List, Harald, Neuwied, Germany, Federal Republic of  
LTS Lohmann Therapie-Systeme GmbH & Co. KG, Neuwied, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5456745		19951010
APPLICATION INFO.:	US 1989-392813		19890811 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1988-3827561	19880813
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Brunsmann, David	
LEGAL REPRESENTATIVE:	Sprung Horn Kramer & Woods	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	1038	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A flexible, hydrophilic, water-swellaable but insoluble gel film which consists of

(a) 0.5 to 30%-wt of at least one water-soluble polymer being anion-active at neutral pH

(b) 0.5 to 50%-wt of at least one water-soluble polymer being cation-active at neutral pH

(c) 0.1 to 20%-wt of at least one moisturizer

(d) 0.1 to 70%-wt of water

(e) 0 to 75%-wt of water-soluble or water-dispersible auxiliaries

(f) 0 to 50%-wt of active substance

a process for its production and the use of this film for the production of a device creating interactions between the gel film and a solid, liquid, or gaseous substrate.

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FILE 'CAPLUS' ENTERED AT 11:40:49 ON 28 AUG 2003  
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FILE COVERS 1907 - 28 Aug 2003 VOL 139 ISS 9  
FILE LAST UPDATED: 27 Aug 2003 (20030827/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L3	1	SEA	FILE=REGISTRY	ABB=ON	AGAR/CN
L4	1	SEA	FILE=REGISTRY	ABB=ON	AGAROSE/CN
L5	1	SEA	FILE=REGISTRY	ABB=ON	GELATIN/CN
L6	1	SEA	FILE=REGISTRY	ABB=ON	GLYCERYL POLYMETHACRYLATE/CN
L7	1	SEA	FILE=REGISTRY	ABB=ON	PROPYLENE GLYCOL/CN
L8	32	SEA	FILE=REGISTRY	ABB=ON	CARBOMER?/CN
L9	153975	SEA	FILE=CAPLUS	ABB=ON	(GEL OR GELS OR GELLING)/OBI
L10	5520	SEA	FILE=CAPLUS	ABB=ON	L3
L11	7425	SEA	FILE=CAPLUS	ABB=ON	L4
L12	67	SEA	FILE=CAPLUS	ABB=ON	L5
L13	37	SEA	FILE=CAPLUS	ABB=ON	L6
L14	20713	SEA	FILE=CAPLUS	ABB=ON	L7
L15	2410	SEA	FILE=CAPLUS	ABB=ON	L8
L16	3813	SEA	FILE=CAPLUS	ABB=ON	(SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS))/OBI
L17	12988	SEA	FILE=CAPLUS	ABB=ON	ESSENTIAL OILS/CT
L18	1495	SEA	FILE=CAPLUS	ABB=ON	L17(L) (CITRUS OR LEMON OR ORANGE)
L19	235	SEA	FILE=CAPLUS	ABB=ON	ALOE VERA/OBI
L28	0	SEA	FILE=CAPLUS	ABB=ON	(L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15) AND (L16 OR L18) AND L19

*oils  
+  
gels  
+  
aloe vera*

=> fil drugu vetu; d que 179

FILE 'DRUGU' ENTERED AT 11:40:50 ON 28 AUG 2003  
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FILE 'VETU' ENTERED AT 11:40:50 ON 28 AUG 2003  
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L67	16495	SEA	GEL OR GELS OR GELLING
L68	16543	SEA	AGAR OR AGAROSE OR GELATIN# OR GLYCERYL(W) (POLYMETHACRYLATE OR POLY(W) (METHACRYLATE OR METH ACRYLATE) OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR CARBOMER#
L69	387	SEA	SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS)
L70	67	SEA	OIL#(A) (CITRUS OR LEMON OR ORANGE)

L71 349 SEA ALOE  
L79 2 SEA (L67 OR L68) AND (L69 OR L70) AND L71

=> fil wpids; d que 1109

FILE 'WPIDS' ENTERED AT 11:40:51 ON 28 AUG 2003  
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FILE LAST UPDATED: 21 AUG 2003 <20030821/UP>  
MOST RECENT DERWENT UPDATE: 200354 <200354/DW>  
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> DUE TO TECHNICAL ISSUES THE UPDATE 200353 HAD TO BE BACKED  
OUT AND REPROCESSED. SDIS WILL BE RERUN. ALREADY  
COLLECTED ONLINE SDI RESULTS MAY HAVE BEEN AFFECTED.  
POSSIBLE DUPLICATE SHIPPINGS OF ONLINE SDIS WILL NOT BE  
CHARGED FOR. ONLINE SEARCHES CONDUCTED BETWEEN TUESDAY AND  
THURSDAY MORNING MAY ALSO HAVE BEEN INCOMPLETE IF THEY  
CONCERNED THE 200353 DATA AND NEED TO BE RERUN IN THESE  
CASES. AFFECTED SEARCHES WILL BE CREDITED OF COURSE. WE  
APOLOGIZE FOR ANY INCONVENIENCE CAUSED <<<

>>> NEW WEEKLY SDI FREQUENCY AVAILABLE --> see NEWS <<<

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,  
SEE <http://www.derwent.com/dwpi/updates/dwpicov/index.html> <<<

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,  
PLEASE VISIT:  
[http://www.stn-international.de/training\\_center/patents/stn\\_guide.pdf](http://www.stn-international.de/training_center/patents/stn_guide.pdf) <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
GUIDES, PLEASE VISIT:  
[http://www.derwent.com/userguides/dwpi\\_guide.html](http://www.derwent.com/userguides/dwpi_guide.html) <<<

L89 88209 SEA FILE=WPIDS ABB=ON GEL OR GELS OR GELLING  
L90 47071 SEA FILE=WPIDS ABB=ON AGAR OR AGAROSE OR GELATIN# OR GLYCERYL(  
W) (POLYMETHACRYLATE OR POLY(W) (METHACRYLATE OR METH ACRYLATE)  
OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR CARBOMER#  
L91 2156 SEA FILE=WPIDS ABB=ON SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA  
OR OFFICINAL?)  
L92 1258 SEA FILE=WPIDS ABB=ON OIL# (2A) (CITRUS OR LEMON OR ORANGE)  
L105 479 SEA FILE=WPIDS ABB=ON ALOE VERA  
L107 3 SEA FILE=WPIDS ABB=ON (L89 OR L90) AND (L91 OR L92) AND L105  
AND B04/DC  
L108 6 SEA FILE=WPIDS ABB=ON (L89 OR L90) AND (L91 OR L92) AND L105  
AND D21/DC  
L109 7 SEA FILE=WPIDS ABB=ON L107 OR L108

=> fil biosis; d que 1125

FILE 'BIOSIS' ENTERED AT 11:40:52 ON 28 AUG 2003  
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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT

FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 27 August 2003 (20030827/ED)

L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN  
L110 235100 SEA FILE=BIOSIS ABB=ON GEL OR GELS OR GELLING  
L111 78267 SEA FILE=BIOSIS ABB=ON AGAR OR AGAROSE OR GELATIN# OR  
GLYCERYL (W) (POLYMETHACRYLATE OR POLY (W) (METHACRYLATE OR METH  
ACRYLATE) OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR  
CARBOMER#  
L112 18236 SEA FILE=BIOSIS ABB=ON (L3 OR L4 OR L5 OR L6 OR L7 OR L8)  
L113 3919 SEA FILE=BIOSIS ABB=ON SALVIA OR SAGE OR S (W) (LAVANDULIFOLIA  
OR OFFICINAL?)  
L114 740 SEA FILE=BIOSIS ABB=ON OIL# (2A) (CITRUS OR LEMON OR ORANGE)  
L125 1 SEA FILE=BIOSIS ABB=ON (L110 OR L111 OR L112) AND (L113 OR  
L114) AND ALOE

=> dup rem l79,l125,l109

FILE 'DRUGU' ENTERED AT 11:40:53 ON 28 AUG 2003  
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FILE 'BIOSIS' ENTERED AT 11:40:53 ON 28 AUG 2003  
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FILE 'WPIDS' ENTERED AT 11:40:53 ON 28 AUG 2003  
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PROCESSING COMPLETED FOR L79  
PROCESSING COMPLETED FOR L125  
PROCESSING COMPLETED FOR L109

L160 10 DUP REM L79 L125 L109 (0 DUPLICATES REMOVED)  
ANSWERS '1-2' FROM FILE DRUGU  
ANSWER '3' FROM FILE BIOSIS  
ANSWERS '4-10' FROM FILE WPIDS

=> d iall 1-10

L160 ANSWER 1 OF 10 DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2003-23487 DRUGU M  
TITLE: Antiviral agents from plants and herbs: a systematic review.  
AUTHOR: Martin K W; Ernst E  
CORPORATE SOURCE: Univ.Exeter+Plymouth  
LOCATION: Exeter, U.K.  
SOURCE: Antiviral Ther. (8, No. 2, 77-90, 2003) 3 Tab. 71 Ref.  
ISSN: 1359-6535  
AVAIL. OF DOC.: Complementary Medicine, Peninsula Medical School,  
Universities of Exeter + Plymouth, Exeter, England. (e-mail:  
Karen.Martin@pms.ac.uk).  
LANGUAGE: English  
DOCUMENT TYPE: Journal

ABSTRACT:

The clinical uses of antiviral agents from plants (*Rhus javanica*, *Geranium sanguineum* L, *Melaleuca leucadendron*, *Nephelium lappaceum*, *Melia azedarach* L,

and *Stephania cepharantha*) and herbs (*Phyllanthus amarus*, *Phyllanthus urinaria*, *Phyllanthus niruri*, *Melissa officinalis*, *Sambucus nigra* L, *Andrographis paniculata*, *Clinacanthus nutans*, *Aloe vera*, *Melaleuca alternifolia*, *Buxus sempervirens*, *Salvia officinalis*, *Allium sativum* L, *Rheum palmatum*, and *Glycyrrhiza glabra*) are reviewed. The effects of andrographolide, dehydroandrographolide succinic acid monoester, acyclovir, and glycyrrhizin are also described. Trial data show a considerable potential of herbal medicines as antiviral agents.

SECTION HEADING: M Microbiology

CLASSIF. CODE: 23 Antimicrobials  
41 Virucides  
69 Reviews

CONTROLLED TERM:

[01] INFECTION, VIRUS \*OC; REVIEW \*FT; IN-VITRO \*FT; IN-VIVO \*FT;  
LAB. ANIMAL \*FT  
[02] MAIN-TOPIC \*FT; PLANT-SUBSTANCE \*FT; PH \*FT  
ANDROGRAPHOLIDE \*PH; DEHYDROANDROGRAPHOLIDE-SUCCINATE-  
MONOESTER \*PH; ACICLOVIR \*PH; **ALOE-EXTRACT** \*PH;  
GLYCYRRHIZATE \*PH; RHUS \*FT; JAVANICA \*FT; GERANIUM \*FT;  
SANGUINEUM \*FT; MELALEUCA \*FT; LEUCADENDRON \*FT; NEPHELIUM  
\*FT; LAPPACEUM \*FT; MELIA \*FT; AZEDARACH \*FT; STEPHANIA \*FT;  
CEPHARANTHA \*FT; PHYLLANTUS \*FT; AMARUS \*FT; URINARIA \*FT;  
NIRURI \*FT; MELISSA \*FT; OFFICINALIS \*FT; SAMBUCUS \*FT; NIGRA  
\*FT; ANDROGRAPHIS \*FT; PANICULATA \*FT; CLINACANTHUS \*FT;  
NUTANS \*FT; ALTERNIFOLIA \*FT; BUXUS \*FT; SEMPERVIRENS \*FT;  
**SALVIA** \*FT; ALLIUM \*FT; SATIVUM \*FT; RHEUM \*FT;  
PALMATUM \*FT; GLYCYRRHIZA \*FT; GLABRA \*FT; HIV-1-VIRUS \*FT;  
HERPES-SIMPLEX-VIRUS \*FT; HERPESVIRUS \*FT; HEPATITIS-B-VIRUS  
\*FT; HEPATITIS-VIRUS \*FT; SMALLPOX-VIRUS \*FT; POXVIRUS \*FT;  
MUMPS-VIRUS \*FT; MYXOVIRUS \*FT; NEWCASTLE-DISEASE-VIRUS \*FT;  
BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT;  
BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; LEUKOVIRUS  
\*FT; VIRUS \*FT; HIV-VIRUS \*FT; VIRUS \*FT; VIRUS \*FT; VIRUS  
\*FT; VIRUS \*FT; PH \*FT

FIELD AVAIL.: AB; LA; CT

FILE SEGMENT: Literature

L160 ANSWER 2 OF 10. DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2000-18923 DRUGU P

TITLE: Effects of natural product extracts on contraction and  
mechanical properties of fibroblast populated collagen  
gel.

AUTHOR: Fujimura T; Tsukahara K; Moriwaki S; Kitahara T; Takema Y

CORPORATE SOURCE: Kao-Tochigi

LOCATION: Tochigi, Jap.

SOURCE: Biol. Pharm. Bull. (23, No. 3, 291-97, 2000) 10 Fig. 24 Ref.  
CODEN: BPBLEO ISSN: 0918-6158

AVAIL. OF DOC.: Biological Science Laboratories, Kao Corporation, 2606  
Akabane, Ichikai, Haga, Tochigi 321-3497, Japan.

LANGUAGE: English

DOCUMENT TYPE: Journal

ABSTRACT:

Natural product extracts incubated with human fibroblast-populated collagen  
\*\*\*gel\*\*\* cultures, such as Gobo (*Arctium lappa*, root), To-nin (*Prunus  
persica*, seed), Ninjin (*Panax ginseng*), Bukuryo (*Poria cocos*), Hibamata (*Fucus  
vesiculosus*, seaweed), and Nin-niku (*Allium scorodoplasum*) extracts, promoted  
collagen gel contraction. Bukuryo, Gobo, Hibamata, Ichio (*Ginkgo  
biloba*), Ninjin, Ro-makamitsure (*Anthemis nobilis*), and To-nin extracts

increased the relaxation time of collagen gels. Treatment with Hibamata extract increased the cell surface expression of integrin alpha2-betal. The mechanisms of promotion of gel contraction are unclear. More effective drug regimens for improving dermal tissues and wound healing may be achieved by combining drugs which increase integrin molecules and drugs with other mechanisms of action.

SECTION HEADING: P Pharmacology

CLASSIF. CODE: 36 Dermatological

CONTROLLED TERM:

IN-VITRO \*FT; HUMAN \*FT; FIBROBLAST \*FT; TISSUE-CULTURE \*FT;  
COLLAGEN \*FT; GEL \*FT; CONTRACTION \*FT; RELAXATION  
\*FT; EXPRESSION \*FT; INTEGRIN-ALPHA-2-BETA-1 \*FT;  
DRUG-COMPARISON \*FT; MODE-OF-ACT. \*FT

[01] ALOE-EXTRACT \*PH; ALOE-EXTR \*RN;

PLANT-SUBSTANCE \*FT; ANTI-ASTHMATICS \*FT; PH \*FT

CAS REGISTRY NO.: 8001-97-6

[02] HOELEN \*PH; HOELEN \*RN; PLANT-SUBSTANCE \*FT; PH \*FT

[03] GINSENG \*PH; GINSENG \*RN; PH \*FT

[04] GARLIC-EXTRACT \*PH; GARLICEXT \*RN; PLANT-SUBSTANCE \*FT;  
ANTI-ARTERIOSCLEROTICS \*FT; HMG-COA-REDUCTASE-INHIBITORS \*FT;  
PHYTONCIDES \*FT; PH \*FT

[05] GREEN-TEA-EXTRACT \*PH; GREENTEA \*RN; PLANT-SUBSTANCE \*FT; PH  
\*FT

[06] ARCTIUM \*FT; LAPPAL \*FT; ROSE \*FT; CANINA \*FT; PHELODENDRON  
\*FT; AMURENSE \*FT; SCUTELLARIA \*FT; BUICALENSIS \*FT; BETULA  
\*FT; PENDULA \*FT; PERILLA \*FT; FRUTESCENS \*FT; CITRUS \*FT;  
AURANTIUM \*FT; PRUNUS \*FT; PERSICA \*FT; SAXIFRAGA \*FT;  
STOLONIFERA \*FT; ANTHEMIS \*FT; ARNICA \*FT; NOBILIS \*FT;  
SALVIA \*FT; LITHOSPERMUM \*FT; ERYTHROHIZON \*FT;  
PAEONIA \*FT; LACTIFLORA \*FT; CALENDULA \*FT; OFFICINALIS \*FT;  
PLANT-SUBSTANCE \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT;  
BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT; BOTANY \*FT;  
BOTANY \*FT; BOTANY \*FT; PH \*FT

FIELD AVAIL.: AB; LA; CT

FILE SEGMENT: Literature

L160 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2002:444930 BIOSIS

DOCUMENT NUMBER: PREV200200444930

TITLE: [The influence of plant extracts on growth of *Erwinia amylovora* (Burrill) Winslow et al.  
Original Title: Wplyw ekstraktow roslinnych na wzrost  
*Erwinia amylovora* (Burrill) Winslow et al..

AUTHOR(S): Krupinski, Grzegorz (1); Sobiczewski, Piotr

CORPORATE SOURCE: (1) Katedra Ochrony Roslin, Akademia Rolnicza, Al.  
29-Listopada 54, 31-425, Krakow Poland

SOURCE: Acta Agrobotanica, (2001) Vol. 54, No. 2, pp. 81-91. print.  
ISSN: 0065-0951.

DOCUMENT TYPE: Article

LANGUAGE: Polish

ABSTRACT:

Ethanol and water extracts obtained on Soxhlet apparatus from various organs and parts (leaves, flowers, shoots, onion, bark, fruit) of 30 herbal and woody plants species were tested for growth inhibition of *Erwinia amylovora* using \*\*\*agar\*\*\* diffusion method. Active extracts were found in 23 plant species but in 13 of them it was found for the first time. The highest diameter of growth inhibition zone of this bacterium was caused by extracts from \*\*\*Aloe\*\*\* *arborescens*, *Juglans regia*, *Rhus typhina*, *Salvia officinalis* and *Satureja hortensis*. In almost all cases ethanol appeared to be a better solvent of active plant substances against *E. amylovora* than water.

CONCEPT CODE: Biochemical Studies - General \*10060  
Physiology and Biochemistry of Bacteria \*31000  
Plant Physiology, Biochemistry and Biophysics - Chemical  
Constituents \*51522  
Phytopathology - Diseases Caused by Bacteria \*54504

BIOSYSTEMATIC CODE: Enterobacteriaceae 06702  
Liliaceae 25345  
Anacardiaceae 25565  
Juglandaceae 26215  
Labiatae 26230

INDEX TERMS: Major Concepts  
Biochemistry and Molecular Biophysics; Infection

INDEX TERMS: Diseases  
fire blight: bacterial disease

INDEX TERMS: Chemicals & Biochemicals  
antibacterial constituents: growth inhibition

ORGANISM: Super Taxa  
Anacardiaceae: Dicotyledones, Angiospermae, Spermatophyta,  
Plantae; Enterobacteriaceae: Facultatively Anaerobic  
Gram-Negative Rods, Eubacteria, Bacteria, Microorganisms;  
Juglandaceae: Dicotyledones, Angiospermae, Spermatophyta,  
Plantae; Labiatae: Dicotyledones, Angiospermae,  
Spermatophyta, Plantae; Liliaceae: Monocotyledones,  
Angiospermae, Spermatophyta, Plantae

ORGANISM: Organism Name  
Aloe arborescens (Liliaceae); Erwinia amylovora  
(Enterobacteriaceae): pathogen; Juglans regia  
(Juglandaceae); Rhus typhina (Anacardiaceae);  
Salvia officinalis (Labiatae); Satureja hortensis  
(Labiatae)

ORGANISM: Organism Superterms  
Angiosperms; Bacteria; Dicots; Eubacteria; Microorganisms;  
Monocots; Plants; Spermatophytes; Vascular Plants

L160 ANSWER 4 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2003-393362 [37] WPIDS

DOC. NO: CPI: C2003-104471

TITLE: Composition useful for the treatment of pilosebaceous  
gland inflammation e.g. acne vulgaris, comprises aluminum  
fluoride, aluminum fluoride releasing compounds or  
aluminum and fluoride salts which release aluminum  
fluoride.

DERWENT CLASS: B05 D21

INVENTOR(S): DASCALU, A

PATENT ASSIGNEE(S): (RDER-N) R & DERM LTD

COUNTRY COUNT: 101

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 2003028740	A1	20030410	(200337)*	EN	19	A61K033-16	
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW							
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW							

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
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WO 2003028740 A1

WO 2002-IL800

20021002

PRIORITY APPLN. INFO: IL 2001-145751 20011004

INT. PATENT CLASSIF.:

MAIN: A61K033-16

SECONDARY: A61K007-38; A61P017-10

BASIC ABSTRACT:

WO2003028740 A UPAB: 20030612

NOVELTY - A composition comprises aluminum fluoride, aluminum fluoride releasing compounds, or combinations of aluminum and fluoride salts which release aluminum fluoride.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for treating humans and animals against pilosebaceous gland inflammations e.g. acne vulgaris and folliculitis, comprising the administration of the composition.

ACTIVITY - Antiinflammatory; Antiseborrheic; Dermatological.

An acne vulgaris inflammatory lesion on cheeks was applied with aluminum fluoride trihydrate (a) (0.5%) dissolved in water. After 3-4 hours, it was observed that (a) healed the inflamed papule within 24 hours.

MECHANISM OF ACTION - None given.

USE - As a pharmaceutical composition, cosmetic composition, solution, lotion, tonic, shampoo, gel, mousse, wax, stick, mask, soap, moisturizer, powder, perfume, dye, brilliantine aerosol, pomade, cream, ointment, paste, suspension, drops, systemic capsule or tablet for the treatment of pilosebaceous gland inflammations (e.g. acne vulgaris and folliculitis) in humans and animals; and also in physical therapy (e.g. with ultraviolet, blue light spectrum or infrared radiation, of cryotherapy of ultrasound) (all claimed).

ADVANTAGE - The composition improves the pilosebaceous inflammation rapidly; are available to women without causing teratogenicity; and are devoid of oral antibiotic or retinoid side effects.

Dwg.0/7

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: B05-A01B; B05-C07; B14-N17; B14-R01; D08-B09A1

L160 ANSWER 5 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2003-531498 [50] WPIDS

DOC. NO. CPI: C2003-143468

TITLE: Cosmetic composition such as shaving gel and skin lotion for topical application to skin, comprises sweet almond essential oil, sweet orange essential oil and lemon essential oil.

DERWENT CLASS: D21

INVENTOR(S): THRASH, W E

PATENT ASSIGNEE(S): (THRA-I) THRASH W E

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
US 2003039709	A1	20030227	(200350)*		4	A61K035-78	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2003039709	A1	Provisional	
		US 2001-313480P	20010820
		US 2002-224974	20020820

PRIORITY APPLN. INFO: US 2001-313480P 20010820; US 2002-224974  
20020820

INT. PATENT CLASSIF.:

MAIN: A61K035-78

BASIC ABSTRACT:

US2003039709 A UPAB: 20030805

NOVELTY - A cosmetic composition of essential oils for topical application to the skin, comprises sweet almond essential oil, sweet orange essential oil and lemon essential oil.

USE - For use as cosmetics such as shaving gel, lotion and skin lotion.

ADVANTAGE - The composition provides smoothness, moistureness, soothness to prevents the irritation and thereby enhances the suppleness and elasticity of the skin.

Dwg.0/0

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB

MANUAL CODES: CPI: D08-B07; D08-B09A1

L160 ANSWER 6 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2002-643324 [69] WPIDS

DOC. NO. CPI: C2002-181646

TITLE: Composition used for skin treatment e.g. psoriasis comprises two phases comprising antibacterial, antiinflammatory, humectant, antioxidant, exfoliant, circulatory enhancement and prolonged moisturization ingredients.

DERWENT CLASS: B05 D21

INVENTOR(S): GENERAL, R E; HARRIS, D H

PATENT ASSIGNEE(S): (GENE-I) GENERAL R E; (HARR-I) HARRIS D H

COUNTRY COUNT: 100

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 2002058640	A1	20020801	(200269)*	EN	18	A61K006-00	
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ							
NL OA PT SD SE SL SZ TR TZ UG ZM ZW							
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK							
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR							
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT							
RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW							
US 2002176876	A1	20021128	(200281)			A61K035-80	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2002058640	A1	WO 2002-US1876	20020119
US 2002176876	A1	US 2001-263826P	20010123
	Provisional	US 2002-53794	20020119

PRIORITY APPLN. INFO: US 2001-263826P 20010123; US 2002-53794  
20020119

INT. PATENT CLASSIF.:

MAIN: A61K006-00; A61K035-80

SECONDARY: A61K007-00; A61K035-78

BASIC ABSTRACT:

WO 200258640 A UPAB: 20021026

NOVELTY - Composition (C1) comprises a first phase comprising



antibacterial, antiinflammatory, humectant, antioxidant and exfoliant ingredients, and a second phase comprising antiinflammatory, circulatory enhancement and prolonged moisturization ingredients.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) A composition (C2) comprising antibacterial, antiinflammatory, humectant, antioxidant and exfoliant ingredients;

(2) a composition (C3) comprising antiinflammatory, circulatory enhancement and prolonged moisturization ingredients, and;

(3) Treating skin condition which comprises applying a first phase composition (C2), allowing the composition to dry, removing the first phase composition, applying a second phase composition (C3) and leaving the second phase composition in place.

ACTIVITY - Dermatological; Antibacterial; Antiinflammatory; Vulnerary; Antipsoriatic; Antiulcer; Virucide; Antiseborrheic.

MECHANISM OF ACTION - None given in the source material

USE - Used for skin treatment (claimed) for prevention or treatment of skin conditions including diabetic feet, vascular insufficiency, vascular and pressure ulcers, dry skin, skin irritation, first and second degree burns, open skin tears and abrasions, wrinkles, precancerous skin lesions, moles, warts, liver spots, acne, psoriasis, eczema and other similar skin lesions. (C2) is useful as a antibacterial waterless hand cleanser.

ADVANTAGE - The composition increases superficial circulation, reduces inflammation, speeds wound healing, exfoliates dead tissue, reduces the superficial bacterial concentration, stimulates the growth of healthy tissue, cleans the surface of the skin, provides antioxidant nutrients to the skin and underlying tissues and provides long lasting moisturizing action to the skin and subcutaneous tissues. A prolonged tissue moisturization is achieved by the synergistic effect of glycerin, **aloe vera** and sorbitol.

Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: B03-A; B04-A08; B04-A08C2; B04-A09A; B04-A09B;  
B04-A09F; B04-A10B; B04-A10C; B04-A10G; B04-C03B;  
B07-D04; B10-A07; B10-C04D; B10-E02; B10-E04C;  
B14-A01; B14-C03; B14-N17C; B14-N17D; B14-S08;  
B14-S09; D08-B09A1; D08-B09A2

L160 ANSWER 7 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2003-328596 [31] WPIDS  
DOC. NO. CPI: C2003-085438  
TITLE: Composition useful for e.g. the treatment of skin inflammation e.g. allergic contact dermatitis, comprises a fraction obtained by chromatographic separation of a fat, oil or wax.  
DERWENT CLASS: B04 D21  
INVENTOR(S): CHAVDARIAN, C G; FRANCOEUR, M L; LEE, C; LEE, J; MAK, V H W; PARKS, T P  
PATENT ASSIGNEE(S): (CELL-N) CELLEGY PHARM INC  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
US 2002182260	A1	20021205	(200331)*		67	A61K035-78	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2002182260	A1 CIP of	US 1998-87744	19980529

Cont of US 1999-322138 19990528  
US 2002-96968 20020311

PRIORITY APPLN. INFO: US 1999-322138 19990528; US 1998-87744  
19980529; US 2002-96968 20020311

INT. PATENT CLASSIF.:

MAIN: A61K035-78  
SECONDARY: A61K035-12

BASIC ABSTRACT:

US2002182260 A UPAB: 20030516

NOVELTY - New composition comprises a fraction obtained by chromatographic separation of a fat, oil or wax.

DETAILED DESCRIPTION - New composition comprises a fraction (I) obtained by chromatographic separation of a fat, oil or wax. Preparation of (I) comprises:

(a) loading the fat, oil, or wax onto a silica gel column in a solvent having a polarity that is less than ethyl acetate:hexanes (5:95);

(b) eluting undesired components of the fat, oil, or wax using a first eluant; and

(c) eluting the fraction from the column using at least one second eluant.

The first eluant is ethyl acetate:hexanes (5:95), ethyl acetate:hexanes (10:90), ethyl acetate:hexanes (25:75), or ethyl acetate (100%).

The second eluant is ethyl acetate:hexanes (10:90), ethyl acetate:hexanes (25:75), ethyl acetate (100%), or methanol:ethyl acetate (10:90).

The second eluant is more polar than the first eluant.

INDEPENDENT CLAIMS are also included for:

(1) a composition (C1) comprising a therapeutic agent (A), which causes inflammation and a concentrated inflammation modifier (B1) comprising at least one (I);

(2) a method of modulating an immune response, inhibiting proliferation of a B- or T-lymphocyte, treating skin sensitization, and minimizing an inflammatory reaction due to application of a topical cosmetic, cosmeceutical, dermatological, or other dosage form involving administering (C1);

(3) a method of administering a skin inflammation inducing drug to skin comprising administering a composition comprising a drug and (B1);

(4) a method of inhibiting proliferation of T-lymphocyte, inhibiting TNF- alpha -secretion from a cell, retarding the aging of skin and treating an inflammatory mucocutaneous disorder involving containing the cell with (B1); and

(5) a composition comprising (B1) and an antiinflammatory agent.

ACTIVITY - Dermatological; Antiinflammatory; Vulnerary; Antipsoriatic; Antirheumatic; Antiasthmatic; Osteopathic; Antiarthritic; Antiallergic.

MECHANISM OF ACTION - T and B cells Proliferation Inhibitor; Immune System Modulator; TNF Secretion Inhibitor; Interleukin-2 Secretion Inhibitor.

T-lymphocytes were isolated from mouse thymus by standard methods, and suspended in Dulbecco's modified Eagle medium (DMEM). A total of 1 multiply 10<sup>6</sup> cells/ml were pre-incubated in Con A at 2 micro g/ml for 1 hour prior to the addition of Fraction. Fraction 11A was evaluated under these conditions at predefined concentrations. Cells were harvested 72 hours after incubation with fraction 11A (50 micro g/ml), and evaluated using visual microscopic evaluation and colorimetric evaluation to establish viable cell number at 570 nm using a MTT assay. Fraction 11 A, showed 86% inhibition of T cell proliferation.

USE - (I) is used for the treatment or prevention condition such as skin sensitization, skin irritation, or inflammation condition (e.g.

irritant contact dermatitis, allergic contact dermatitis, T-cell mediated skin disorders, and skin disorders caused by local inflammatory mediator release); for modulating (i.e. enhancing and preventing the progression of wound) healing of a wound; for minimization of an inflammatory reaction due to application of a topical cosmetic, cosmeceutical, dermatological, or other dosage form (e.g. retinoic acid or its derivative, or least one alpha -hydroxy acid such as alpha -hydroxy acid is glycolic acid or lactic acid); for retarding the aging of skin caused by ultraviolet radiation; and for treating an inflammatory mucocutaneous disorder such as psoriasis, eczema, atopic dermatitis (all claimed), rheumatoid arthritis, osteoarthritis, asthma and inflammatory bowel disease.

ADVANTAGE - The administration of (A) in conjunction with (B1) results in an inflammatory response, as measured in an ear swelling assay, that is reduced by at least about 50% compared to the inflammatory response induced by administration of (A) in the absence of (B1).

Dwg.0/25

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: B03-A; B03-G; B04-B01B; B04-B01C; B06-D09; B10-C04A;  
B10-C04D; B10-E02; B10-E04A; B10-F02; B10-G02;  
B14-C03; B14-G02A; B14-N17; D08-B09A1; D08-B09A3

L160 ANSWER 8 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2002-267708 [31] WPIDS  
DOC. NO. CPI: C2002-079553  
TITLE: Topical composition for stimulating hair growth includes minoxidil and e.g. saw palmetto extract, capsaicin, peppermint oil and silica.  
DERWENT CLASS: B05 D21 E19  
INVENTOR(S): CATALFO, C; MUSSARI, F; PERRY, S H  
PATENT ASSIGNEE(S): (CATA-I) CATALFO C; (MUSS-I) MUSSARI F; (PERR-I) PERRY S H; (NATU-N) NATURAL SCI INC  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
US 2002028257	A1	20020307	(200231)*		7	A61K035-78	
US 6596266	B2	20030722	(200354)			A61K007-06	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2002028257	A1 Provisional	US 2000-183553P	20000218
		US 2001-789294	20010220
US 6596266	B2 Provisional	US 2000-183553P	20000218
		US 2001-789294	20010220

PRIORITY APPLN. INFO: US 2000-183553P 20000218; US 2001-789294 20010220

INT. PATENT CLASSIF.:

MAIN: A61K007-06; A61K035-78  
SECONDARY: A61K031-496; A61K031-60; A61K031-685; A61K031-724

BASIC ABSTRACT:

US2002028257 A UPAB: 20020516  
NOVELTY - Topical composition (A) comprises an admixture of a carrier and minoxidil and saw palmetto extract, nettle root extract, capsaicin, niacin, ginkgo biloba, horsetail extract, phospholipid, glycerol oxide esters, cyclodextrin, ketoconazole, ursolic acid, polysorbate, 1,4,3,6-dianhydro-2,5-d--o-methyl-d-glucitol, peppermint oil, silica, milk thistle an/or methyl nicotinate.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) a dietary supplement (B) comprising minoxidil, saw palmetto extract and nettle root extract, and

(2) a kit for stimulating hair growth which comprises (A) and instructions for use.

ACTIVITY - None given in the source material.

MECHANISM OF ACTION - None given in the source material.

USE - Used for treating male pattern baldness or androgenic alopecia and stimulating hair growth on the scalp, including the apex and frontal regions of the scalp.

ADVANTAGE - The compositions increase hair growth safely and sooner, in greater abundance and thicker than using minoxidil and known penetration enhancers.

Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: B04-A10B; B04-A10F; B04-B01B; B04-B01C; B04-B04L;  
B05-A03A; B05-C06; B05-C07; B06-F03; B07-D04C;  
B07-D05; B07-D09; B07-D12; B10-C04E; B10-D03;  
B14-R02; D08-B03; E06-D09; E06-F03; E07-H;  
E10-B02A3; E10-D03B; E31-B03A; E31-F04; E31-P03;  
E35-C

L160 ANSWER 9 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2001-049649 [06] WPIDS  
DOC. NO. CPI: C2001-013548  
TITLE: Composition for treating human, animal or plants having  
parasitic infestation, comprises essential oil of  
**Salvia**, **Artemisia**, **Citrus**, **Juniperus**, **Laurus**,  
**Myristica**, **Origanum**, **Piper** or **Aloysia**.  
DERWENT CLASS: A96 B04 C05 D21 D22 F06  
INVENTOR(S): WILKINSON, J A  
PATENT ASSIGNEE(S): (WILK-I) WILKINSON J A  
COUNTRY COUNT: 93  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 2000064265	A2	20001102	(200106)*	EN	50	A01N065-00	
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW							
W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW							
AU 2000044204	A	20001110	(200109)			A01N065-00	
EP 1185178	A2	20020313	(200225)	EN		A01N065-00	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI							

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000064265	A2	WO 2000-GB1589	20000425
AU 2000044204	A	AU 2000-44204	20000425
EP 1185178	A2	EP 2000-925479	20000425
		WO 2000-GB1589	20000425

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO

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AU 2000044204 A Based on WO 2000064265  
EP 1185178 A2 Based on WO 2000064265

PRIORITY APPLN. INFO: GB 1999-9469 19990423

INT. PATENT CLASSIF.:

MAIN: A01N065-00

SECONDARY: A01N025-02; A01N025-04; A61K007-20; A61K035-78

BASIC ABSTRACT:

WO 200064265 A UPAB: 20010126

NOVELTY - A composition for treating human or animal infected with parasitic infestation comprises essential oil in a **gel** carrier.

The essential oil is obtained from the genera **Salvia**, **Artemisia**, **Citrus**, **Juniperus**, **Laurus**, **Myristica**, **Origanum**, **Piper** or **Aloysia**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) a composition comprising the above essential oil(s) in an aqueous alcoholic vehicle or alcohol/vegetable oil mixture (both comprising 0.1-20 vol.% alcohol);

(2) a composition comprising an essential oil obtained from plant of the genus **Petergonium**, **Cymbopogan**, **Pimpinella**, **Myrtus** (cretian, morrocan, organe), **Lavandula**, **Pinus**, **Melaleuca**, **Cinnamomum**, **Apium**, **Thymus**, **Hyssopus**, **Rosmellus**, **Cananga**, **Mentle**, **Eucalyptus** or **Vitex**;

(3) a composition comprising the alkaloid **galanthamine** for use in the treatment of humans or animals having a parasitic insect infection; and

(4) a composition comprising a **gel** carrier and terpenes and/or terpenoids having insecticidal activity (according to data given in the specification) useful for treating human, animals, clothing and furnishings and plants with parasitic infection.

ACTIVITY - Anti parasitic.

The activity of composition against human parasitic lice was evaluated by dissolving **sage** essential oil in isopropyl alcohol and in a carrier oil as an inert (control). The LD50 of the essential oil in carrier oil was 250-300 mg ml<sup>-1</sup>. In isopropyl alcohol (20 vol.%) in water, the LD50 value was 3-4 mg ml<sup>-1</sup>.

MECHANISM OF ACTION - None given.

USE - For treating human or animal having parasitic insect infestation and also for treating plants, furnishing or clothings (claimed). Parasitic insects are lice, lice eggs, mites, fleas or parasites associated with blow fly strike such as head lice (*Pediculus humanus capitis*, Syn. *P. capitis*), clothing lice (*Pediculus humanus humanus* syn. *P. corporis*), pubic lice (*Phthirus pubis*), biting lice (*Bovicula ovis*), scab mite (*Psoroptes ovis*), ear mite (*Psoroptes cuniculi*), dust mites (*Dermatophagoides*), pig mites, cat fleas (*Ctenocephalalides felis*), dog fleas (*Ctenocephalalides canis*), horse fleas, *Lucilia* and *Chrysomya* sp. The insects that affect plants may be *Aphis*, *Chilo*, *Dysderus*, *Megoura*, *Musca*, *Pieris*, *Nilaparvata*, *Nephotettix*, *Tetranychus*, *Trialeurodes*, *Thysanoptera* or *Lepidoptera*.

ADVANTAGE - The terpenes are more effective in killing parasites at low concentration. The composition is pleasant to use effective with less toxicity without any side effects or adverse effects.

Dwg.0/10

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: A12-V01; A12-V04A; B04-B01C1; B06-E05; B14-B04A;  
B14-B04B; C04-B01C1; C06-E05; C14-B04A; C14-B04B;  
D08-B04; D08-B09; D09-A01; D09-E; F03-C02B

L160 ANSWER 10 OF 10 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 1999-263379 [22] WPIDS

DOC. NO. CPI: C1999-077599

TITLE: Composition based on plant extracts for treating mastitis in livestock.

DERWENT CLASS: B04

INVENTOR(S): RENAULT, M J; JAUREGUI RENAULT, M  
PATENT ASSIGNEE(S): (PISA-N) LAB PISA SA DE CV  
COUNTRY COUNT: 25  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
WO 9913892	A1	19990325	(199922)*	ES	25	A61K035-78	
RW: AT BE CH CY DE DK EA ES FI FR GB GR IE IT LU MC NL PT SE							
W: BR CA JP MK US							
MX 9706998	A1	19990301	(200051)			A61K035-78	
BR 9812449	A	20011127	(200203)			A61K035-78	

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9913892	A1	WO 1998-MX44	19980911
MX 9706998	A1	MX 1997-6998	19970912
BR 9812449	A	BR 1998-12449	19980911
		WO 1998-MX44	19980911

## FILING DETAILS:

PATENT NO	KIND	PATENT NO
BR 9812449	A Based on	WO 9913892

PRIORITY APPLN. INFO: MX 1997-6998 19970912

INT. PATENT CLASSIF.:

MAIN: A61K035-78

## BASIC ABSTRACT:

WO 9913892 A UPAB: 20011203

NOVELTY - Pharmaceutical composition based on natural products for treating mastitis in animals.

DETAILED DESCRIPTION - Plant-based pharmaceutical composition for treating mastitis in domestic animals comprises **aloe vera** (*Aloe barbadensis* Miller) juice or **gel**, aqueous extract of maguey (*Agave mexicana*), **lemon** essential oil (*Citrus mexicana*), tea tree essential oil (*Maleleuca alternifolia*), extract of comfrey (*Symphytum consolidida*), salts, acids and a vehicle, the composition having a pH of 2.0 - 4.0 and a refractive index of 1.3200-1.3400.

An INDEPENDENT claim is included for the preparation of a pharmaceutical composition for treating mastitis in domestic animals comprising mixing **aloe vera** juice, zinc sulfate, citric acid, ethylene diamine tetra acetic acid sodium salt and distilled water, bringing to the boil, adding ascorbic acid, boiling again, cooling, adding a mixture of lemon and tea tree essential oils and comfrey extract, followed by a second quantity of ascorbic acid and sodium benzoate, filtering the mixture repeatedly through sterile cotton, diluting with distilled water.

ACTIVITY - Antiinflammatory; immunostimulant; immunomodulatory; endotoxin and bacterial exotoxin inactivator and sequestrant (all claimed).

MECHANISM OF ACTION - The composition changes the glandular micro-climate and reduces bacterial mitosis (claimed). It stabilizes the pH of the mammary gland helping it return to normal.

USE - The composition is used to treat mastitis in bovine, ovine and caprine animals which is related to *Staphylococcus* spp, *Streptococcus* spp, *Escherichia coli*, *Shigella* spp, *Klebsiella* spp and *Mycoplasma micoides* (all claimed).

ADVANTAGE - The composition does not cause any side-effects and does

not contain antibiotic type substances and their active metabolites. The cost/benefit ratio is favorable.

Toxicity tests have shown no subchronic toxicity (embryotoxicity, teratotoxicity) and treatment of 1000 mammary glands has shown no hypersensitivity. There are no undesirable effects on the quality of the milk or its products. When the treatment was applied recovery in milk production was 56-95% compared to a 20-40% loss of milk production with antibiotic treatment.

Dwg: 0/0

FILE SEGMENT:	CPI
FIELD AVAILABILITY:	AB; DCN
MANUAL CODES:	CPI: B04-A10; B05-A01B; B07-A02A; B10-A07; B10-B01B; B10-C04C; B14-A01; B14-G01; B14-G02D; B14-G03; B14-S12

=> fil capl; d que 134

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FILE COVERS 1907 - 28 Aug 2003 VOL 139 ISS 9

FILE LAST UPDATED: 27 Aug 2003 (20030827/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L3	1	SEA FILE=REGISTRY ABB=ON	AGAR/CN
L4	1	SEA FILE=REGISTRY ABB=ON	AGAROSE/CN
L5	1	SEA FILE=REGISTRY ABB=ON	GELATIN/CN
L6	1	SEA FILE=REGISTRY ABB=ON	GLYCERYL POLYMETHACRYLATE/CN
L7	1	SEA FILE=REGISTRY ABB=ON	PROPYLENE GLYCOL/CN
L8	32	SEA FILE=REGISTRY ABB=ON	CARBOMER?/CN
L10	5520	SEA FILE=CAPLUS ABB=ON	L3
L11	7425	SEA FILE=CAPLUS ABB=ON	L4
L12	67	SEA FILE=CAPLUS ABB=ON	L5
L13	37	SEA FILE=CAPLUS ABB=ON	L6
L14	20713	SEA FILE=CAPLUS ABB=ON	L7
L15	2410	SEA FILE=CAPLUS ABB=ON	L8
L16	3813	SEA FILE=CAPLUS ABB=ON	(SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS))/OBI
L17	12988	SEA FILE=CAPLUS ABB=ON	ESSENTIAL OILS/CT
L18	1495	SEA FILE=CAPLUS ABB=ON	L17(L) (CITRUS OR LEMON OR ORANGE)
L21	125	SEA FILE=CAPLUS ABB=ON	(L10 OR L11 OR L12 OR L13 OR L14 OR L15) AND (L16 OR L18)
L30	34066	SEA FILE=CAPLUS ABB=ON	ISOPROPANOL OR ISOPROPYL ALCOHOL
L31	2059790	SEA FILE=CAPLUS ABB=ON	WATER
L34	4	SEA FILE=CAPLUS ABB=ON	L21 AND L30 AND L31

*gels  
+  
oils  
+  
isopropanol  
+  
water*

=> fil uspatf; d que 165

FILE 'USPATFULL' ENTERED AT 11:42:23 ON 28 AUG 2003

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Aug 2003 (20030828/PD)

FILE LAST UPDATED: 28 Aug 2003 (20030828/ED)

HIGHEST GRANTED PATENT NUMBER: US6611958

HIGHEST APPLICATION PUBLICATION NUMBER: US2003163860

CA INDEXING IS CURRENT THROUGH 28 Aug 2003 (20030828/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Aug 2003 (20030828/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2003



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>>> classifications, or claims, that may potentially change from <<<  
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L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN  
L38 873 SEA FILE=USPATFULL ABB=ON L3  
L39 1639 SEA FILE=USPATFULL ABB=ON L4  
L40 8 SEA FILE=USPATFULL ABB=ON L5  
L41 21 SEA FILE=USPATFULL ABB=ON L6  
L42 5397 SEA FILE=USPATFULL ABB=ON L7  
L43 728 SEA FILE=USPATFULL ABB=ON L8  
L44 10316 SEA FILE=USPATFULL ABB=ON (AGAR OR AGAROSE OR GELATIN# OR  
GLYCERYL POLYMETHACRYLATE OR PROPYLENE GLYCOL OR CARBOMER#)/IT  
L45 42394 SEA FILE=USPATFULL ABB=ON (GEL OR GELS OR GELLING)/IT, TI, AB, CL  
M  
L46 260 SEA FILE=USPATFULL ABB=ON ESSENTIAL OILS/CT(L) (LEMON OR  
ORANGE OR CITRUS)/IT  
L47 175 SEA FILE=USPATFULL ABB=ON (SALVIA OR SAGE OR S(W) (LAVANDULIFOL  
IA OR OFFICINALIS))/IT  
L57 120108 SEA FILE=USPATFULL ABB=ON ISOPROPANOL OR ISOPROPYL ALCOHOL  
L58 3979 SEA FILE=USPATFULL ABB=ON (ISOPROPANOL OR ISOPROPYL ALCOHOL)/I  
T  
L59 1054644 SEA FILE=USPATFULL ABB=ON WATER  
L60 721 SEA FILE=USPATFULL ABB=ON ALOE/IT, TI, AB, CLM  
L61 392 SEA FILE=USPATFULL ABB=ON (LEMON OR ORANGE OR CITRUS) (A) OIL#/I  
T, TI, AB, CLM  
L65 4 SEA FILE=USPATFULL ABB=ON (L38 OR L39 OR L40 OR L41 OR L42 OR  
L43 OR L44 OR L45) AND ((L46 OR L47) OR L61) AND (L57 OR L58)  
AND L59 AND L60

=> fil drugu vetu; d que 180

FILE 'DRUGU' ENTERED AT 11:42:23 ON 28 AUG 2003  
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FILE 'VETU' ENTERED AT 11:42:23 ON 28 AUG 2003  
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L67 16495 SEA GEL OR GELS OR GELLING  
L68 16543 SEA AGAR OR AGAROSE OR GELATIN# OR GLYCERYL(W) (POLYMETHACRYLATE  
OR POLY(W) (METHACRYLATE OR METH ACRYLATE) OR POLYMETH  
ACRYLATE) OR PROPYLENE GLYCOL# OR CARBOMER#  
L69 387 SEA SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA OR OFFICINALIS)  
L70 67 SEA OIL#(A) (CITRUS OR LEMON OR ORANGE)  
L72 1419 SEA ISOPROPYL ALCOHOL OR ISOPROPANOL  
L73 50893 SEA WATER  
L80 4 SEA (L67 OR L68) AND (L69 OR L70) AND (L72 OR L73)

=> fil wpids; d que 1102

FILE 'WPIDS' ENTERED AT 11:42:25 ON 28 AUG 2003  
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FILE LAST UPDATED: 21 AUG 2003 <20030821/UP>  
MOST RECENT DERWENT UPDATE: 200354 <200354/DW>  
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L90 47071 SEA FILE=WPIDS ABB=ON AGAR OR AGAROSE OR GELATIN# OR GLYCERYL(  
W) (POLYMETHACRYLATE OR POLY(W) (METHACRYLATE OR METH ACRYLATE)  
OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR CARBOMER#  
L91 2156 SEA FILE=WPIDS ABB=ON SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA  
OR OFFICINAL?)  
L92 1258 SEA FILE=WPIDS ABB=ON OIL#(2A) (CITRUS OR LEMON OR ORANGE)  
L94 13694 SEA FILE=WPIDS ABB=ON ISOPROPYL ALCOHOL OR ISOPROPANOL  
L95 1168806 SEA FILE=WPIDS ABB=ON WATER  
L102 5 SEA FILE=WPIDS ABB=ON (L89 OR L90) AND (L91 OR L92) AND L94  
AND L95 >

=> fil biosis; d que 1122

FILE 'BIOSIS' ENTERED AT 11:42:26 ON 28 AUG 2003  
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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 27 August 2003 (20030827/ED)

L3 1 SEA FILE=REGISTRY ABB=ON AGAR/CN  
L4 1 SEA FILE=REGISTRY ABB=ON AGAROSE/CN  
L5 1 SEA FILE=REGISTRY ABB=ON GELATIN/CN  
L6 1 SEA FILE=REGISTRY ABB=ON GLYCERYL POLYMETHACRYLATE/CN  
L7 1 SEA FILE=REGISTRY ABB=ON PROPYLENE GLYCOL/CN  
L8 32 SEA FILE=REGISTRY ABB=ON CARBOMER?/CN  
L110 235100 SEA FILE=BIOSIS ABB=ON GEL OR GELS OR GELLING  
L111 78267 SEA FILE=BIOSIS ABB=ON AGAR OR AGAROSE OR GELATIN# OR  
GLYCERYL(W) (POLYMETHACRYLATE OR POLY(W) (METHACRYLATE OR METH  
ACRYLATE) OR POLYMETH ACRYLATE) OR PROPYLENE GLYCOL# OR  
CARBOMER#  
L112 18236 SEA FILE=BIOSIS ABB=ON (L3 OR L4 OR L5 OR L6 OR L7 OR L8)  
L113 3919 SEA FILE=BIOSIS ABB=ON SALVIA OR SAGE OR S(W) (LAVANDULIFOLIA  
OR OFFICINAL?)  
L114 740 SEA FILE=BIOSIS ABB=ON OIL#(2A) (CITRUS OR LEMON OR ORANGE)  
L116 526617 SEA FILE=BIOSIS ABB=ON WATER  
L117 3033 SEA FILE=BIOSIS ABB=ON ISOPROPYL ALCOHOL OR ISOPROPANOL  
L122 0 SEA FILE=BIOSIS ABB=ON (L110 OR L111 OR L112) AND (L113 OR  
L114) AND L116 AND L117

=> dup rem 180,134,1102,165

FILE 'DRUGU' ENTERED AT 11:42:27 ON 28 AUG 2003  
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FILE 'CAPLUS' ENTERED AT 11:42:27 ON 28 AUG 2003  
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FILE 'USPATFULL' ENTERED AT 11:42:27 ON 28 AUG 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)  
PROCESSING COMPLETED FOR L80  
PROCESSING COMPLETED FOR L34  
PROCESSING COMPLETED FOR L102  
PROCESSING COMPLETED FOR L65

L161 17 DUP REM L80 L34 L102 L65 (0 DUPLICATES REMOVED)  
ANSWERS '1-4' FROM FILE DRUGU  
ANSWERS '5-8' FROM FILE CAPLUS  
ANSWERS '9-13' FROM FILE WPIDS  
ANSWERS '14-17' FROM FILE USPATFULL

=> d iall 1-4; d ibib ab hitrn 5-8; d iall 9-13; d ibib ab hitrn 14-17; fil hom

L161 ANSWER 1 OF 17 DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2003-20616 DRUGU P

TITLE: Constituents of **sage** (*Salvia officinalis*)  
with in vitro affinity to human brain benzodiazepine  
receptor.  
AUTHOR: Kavvadias D; Monschein V; Sand P; Riederer P; Schreier P  
CORPORATE SOURCE: Univ.Wuerzburg  
LOCATION: Wuerzburg, Ger.  
SOURCE: Planta Med. (69, No. 2, 113-17, 2003) 3 Fig. 1 Tab. 22 Ref.  
CODEN: PLMEAA ISSN: 0032-0943  
AVAIL. OF DOC.: Institut fuer Pharmazie und Lebensmittelchemie, Universitaet  
Wuerzburg, Am Hubland, 97074 Wuerzburg, Germany. (P.  
Schreier). (email: schreier@pzl.uni-wuerzburg.de).  
LANGUAGE: English  
DOCUMENT TYPE: Journal

## ABSTRACT:

3 Flavones: apigenin, hispidulin and cirsimaritin, and 2 abietane diterpenes: 7-methoxyrosmanol and galdosol, functioning as benzodiazepine receptor-active components, were identified from a methanol extract of **sage** leaves (\*\*\**Salvia*\*\*\* *officinalis* L.), using benzodiazepine receptor binding assay-guided fractionation. In a competitive benzodiazepine binding assay with 3H-flumazenil in human frontal cortex membranes, galdosol showed the strongest binding activity to the benzodiazepine receptor, followed by hispidulin and 7-methoxyrosmanol, in comparison to diazepam.

SECTION HEADING: P Pharmacology

CLASSIF. CODE: 60 Autonomic  
63 Receptors  
72 New Drugs

## CONTROLLED TERM:

DIAZEPAM \*RC; IN-VITRO \*FT; ISOL. \*FT; **SALVIA** \*FT;  
OFFICINALIS \*FT; BINDING \*FT; AFFINITY \*FT;  
BENZODIAZEPINE-RECEPTOR \*FT; HUMAN \*FT; CEREBRAL-CORTEX \*FT;  
BOTANY \*FT; RECEPTOR \*FT; BRAIN \*FT  
[01] APIGENIN \*PH; APIGENIN \*RN; ANGIOGENESIS-INHIBITORS \*FT; PH  
\*FT

CAS REGISTRY NO.: 520-36-5

[02] CIRSIMARITIN \*PH; CIRSIMARI \*RN; PH \*FT

[03] HISPIDULIN \*PH; HISPIDULI \*RN; PH \*FT

[04] METHOXYROSMANOL-7 \*PH; MEOROSMA7 \*RN; PH \*FT

[05] GALDOSOL \*PH; GALDOSOL \*RN; NEW \*FT; PH \*FT

CAS REGISTRY NO.: 52591-18-1

FIELD AVAIL.: AB; LA; CT

FILE SEGMENT: Literature

L161 ANSWER 2 OF 17 DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2002-02726 DRUGU M

TITLE: Sudanese plants used in folkloric medicine: screening for  
antibacterial activity. Part X.

AUTHOR: Elegami A A; Almagboul A Z; Omer M E A; El Tohami M S

CORPORATE SOURCE: Med.+Aromatic-Plants-Res.Inst.Khartoum

LOCATION: Khartoum, Sudan

SOURCE: Fitoterapia (72, No. 7, 810-17, 2001) 2 Tab. 4 Ref.

CODEN: FTRPAE ISSN: 0367-326X

AVAIL. OF DOC.: Medicinal and Aromatic Plants Research Institute, National  
Centre for Research, P.O. Box 2404, Khartoum Sudan. (A.Z.A.).  
(e-mail: aalmagboul@hotmail.com).

LANGUAGE: English

DOCUMENT TYPE: Journal

## ABSTRACT:

The antibacterial activity of the methanolic (MeOH) and chloroform (CHCl<sub>3</sub>) and \*\*\*water\*\*\* extracts obtained from 30 Sudanese dried ground plants material was tested against Bac. subtilis, Staph. aureus, E. coli and Ps. aeruginosa. Of the 30 Sudanese plants, the most active antibacterial plants were Ceruanua pratensis, Cotula anthemoides, Capparis cartilaginea, Hydnora abyssinica, Hyphaene thebaica, Khaya senegalensis, Lavandula coronopifolia, **Salvia aegytiaca** and the plants underwent phytochemical screening. Results support the use of these plants in traditional medicine.

SECTION HEADING: M Microbiology

CLASSIF. CODE: 6 Antibiotics  
23 Antimicrobials

CONTROLLED TERM:

[01] PLANT-SUBSTANCE \*FT; IN-VITRO \*FT; CERUANUA \*FT; PRATENSIS \*FT; COTULA \*FT; ANTHEMOIDES \*FT; CAPPARIS \*FT; CARTILAGINEA \*FT; HYDNORA \*FT; ABYSSINICA \*FT; HYPHAENE \*FT; THEBAICA \*FT; KHAYA \*FT; SENEGALENSIS \*FT; LAVANDULA \*FT; ORONOPIFOLIA \*FT; **SALVIA** \*FT; AEGYTIACA \*FT; PHYTONCIDE \*FT; BAC. \*FT; SUBTILIS \*FT; PS. \*FT; GRAM-NEG. \*FT; AERUGINOSA \*FT; STAPH \*FT; AUREUS \*FT; E.COLI \*FT; BOTANY \*FT; BACT. \*FT; GRAM-POS. \*FT; PH \*FT

FIELD AVAIL.: AB; LA; CT

FILE SEGMENT: Literature

L161 ANSWER 3 OF 17 DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 1998-34117 DRUGU P G

TITLE: In vitro permeation through porcine buccal mucosa of **Salvia sclarea** L. essential oil from topical formulations.

AUTHOR: Ceschel G C; Maffei P; Moretti M D L; Peana A T; Demontis S

CORPORATE SOURCE: Univ.Bologna; Univ.Sassari

LOCATION: Bologna; Sassari, It.

SOURCE: STP Pharm.Sci. (8, No. 2, 103-06, 1998) 1 Fig. 3 Tab. 11 Ref.  
CODEN: STSSE5 ISSN: 1157-1497

AVAIL. OF DOC.: Dipartimento di Scienze Farmaceutiche, Universita di Bologna, Via San Donato 19/2, 40100 Bologna, Italy.

LANGUAGE: English

DOCUMENT TYPE: Journal

ABSTRACT:

Diffusion of the essential oil of **Salvia sclarea** L. (OIL) through porcine buccal mucosa in-vitro was enhanced by formulation as a microemulsion with isostearate isostearyl, PEG/caprylic/capric glycerides (Labrasol), polyglyceryl-6 (plurol) isostearate (all Gattefosse) and **water**, as a \*\*\*gel\*\*\* with Carbopol 934P (Goodrich) and **water**, or as microemulsions gelled with Carbopol. In particular, OIL components with a terpenic structure had the highest permeability.

SECTION HEADING: P Pharmacology  
G Galenics

CLASSIF. CODE: 8 Pharmacokinetics  
29 Pharmaceutics

CONTROLLED TERM:

[01] IN-VITRO \*FT; PIG \*FT; BUCCAL \*FT; MUCOSA \*FT; TOPICAL \*FT; GEL \*FT; MICROEMULSION \*FT; LAB.ANIMAL \*FT  
**SALVIA** \*FT; SCLAREA \*FT; ESS.OIL \*FT; PERMEABILITY \*FT; KINETICS \*FT; CONC. \*FT; BOTANY \*FT; OC \*FT; DM \*FT

[02] ISOSTEARATE-ISOSTEARYL \*OC; ISOSTISOS \*RN; GATTEFOSSE \*FT;  
AUXILIARY-INGREDIENT \*FT; PHARMACEUTICS \*FT; OC \*FT  
CAS REGISTRY NO.: 41669-30-1  
[03] LABRASOL \*OC; GATTEFOSSE \*FT; LABRASOL \*RN;  
AUXILIARY-INGREDIENT \*FT; PHARMACEUTICS \*FT; OC \*FT  
[04] PLUROL-ISOSTEARATE \*OC; PLUROLISO \*RN; GATTEFOSSE \*FT;  
AUXILIARY-INGREDIENT \*FT; PHARMACEUTICS \*FT; OC \*FT  
CAS REGISTRY NO.: 83138-62-9  
[05] CARBOMER \*OC; CARBOPOL-934P \*OC; GOODRICH \*FT;  
CARBOMER \*RN; AUXILIARY-INGREDIENT \*FT; PHARMACEUTICS  
\*FT; OC \*FT  
[06] CINEOLE-1,8 \*OC; CINEOLE-1,8 \*DM; CINEOLE18 \*RN; PERMEABILITY  
\*FT; KINETICS \*FT; ESS.OIL \*FT; SALVIA \*FT; SCLAREA  
\*FT; PLANT-SUBSTANCE \*FT; BOTANY \*FT; PENETRATION-ENHANCERS  
\*FT; OC \*FT; DM \*FT  
[07] LINALOOL \*OC; LINALOOL \*DM; LINALOOL \*RN; PERMEABILITY \*FT;  
KINETICS \*FT; ESS.OIL \*FT; SALVIA \*FT; SCLAREA \*FT;  
PLANT-SUBSTANCE \*FT; BOTANY \*FT; OC \*FT; DM \*FT  
[08] LINALYL-ACETATE \*OC; LINALYL-ACETATE \*DM; LINALYLAC \*RN;  
PERMEABILITY \*FT; KINETICS \*FT; ESS.OIL \*FT; SALVIA  
\*FT; SCLAREA \*FT; PLANT-SUBSTANCE \*FT; BOTANY \*FT; OC \*FT; DM  
\*FT  
[09] ESTRAGOLE \*OC; ESTRAGOLE \*DM; ESTRAGOLE \*RN; PERMEABILITY  
\*FT; KINETICS \*FT; ESS.OIL \*FT; SALVIA \*FT; SCLAREA  
\*FT; PLANT-SUBSTANCE \*FT; BOTANY \*FT; ANTIAGGREGANTS \*FT; OC  
\*FT; DM \*FT  
CAS REGISTRY NO.: 140-67-0  
[10] TERPINEOL-ALPHA \*OC; TERPINEOL-ALPHA \*DM; TERPINEOA \*RN;  
PERMEABILITY \*FT; KINETICS \*FT; ESS.OIL \*FT; SALVIA  
\*FT; SCLAREA \*FT; PLANT-SUBSTANCE \*FT; BOTANY \*FT; OC \*FT; DM  
\*FT  
[11] TERPINEOL-BETA \*OC; TERPINEOL-BETA \*DM; TERPINEOB \*RN;  
PERMEABILITY \*FT; KINETICS \*FT; ESS.OIL \*FT; SALVIA  
\*FT; SCLAREA \*FT; PLANT-SUBSTANCE \*FT; BOTANY \*FT; 138-87-4  
\*FT; OC \*FT; DM \*FT  
CAS REGISTRY NO.: 138-87-4  
FIELD AVAIL.: AB; LA; CT  
FILE SEGMENT: Literature

L161 ANSWER 4 OF 17 DRUGU COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 1994-32952 DRUGU P G  
TITLE: Transdermal delivery of bromhexine hydrochloride from various  
formulations through excised hairless mouse skin.  
AUTHOR: El Faham T H  
CORPORATE SOURCE: Univ.Assiut  
LOCATION: Assiut, Egypt  
SOURCE: STP Pharm.Sci. (4, No. 3, 240-44, 1994) 2 Fig. 3 Tab. 20 Ref.  
ISSN: 1157-1489  
AVAIL. OF DOC.: Department of Pharmaceutics, Faculty of Pharmacy, Assiut  
University, Assiut 71516, Egypt.  
LANGUAGE: English  
DOCUMENT TYPE: Journal

## ABSTRACT:

Release of bromhexine HCl (BR, CID) from 3 ointment and 2 polymeric film formulations across cellophane membranes and permeation of mouse skin was evaluated. Ointment excipients included petrolatum, cholesterol, stearyl alcohol, white wax, liquid paraffin, spermaceti, and Na borate. Film excipients were Gantrez AN119 (GAF), and ethylcellulose (EC, Hercules) in \*\*\*propylene\*\*\* glycol. Ointment containing PEG and film containing EC gave the highest BR permeation. Permeation of BR from both PEG ointment and Gantrez AN119 film was enhanced by lemon oil,

cineole, eucalyptus oil, and chenopodium oil.

SECTION HEADING: P Pharmacology  
G Galenics

CLASSIF. CODE: 8 Pharmacokinetics  
29 Pharmaceutics  
33 Respiratory

CONTROLLED TERM:

[01] BIOPHARM. \*FT; IN-VITRO \*FT; MOUSE \*FT; SKIN \*FT; FORMULATION \*FT; TRANSDERMAL \*FT; PHARM.PREP. \*FT; LAB.ANIMAL \*FT; PHARMACEUTICS \*FT

CAS REGISTRY NO.: 3572-43-8  
[02] CHOLESTEROL \*OC; CHOLESTER \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 57-88-5  
[03] STEARYL-ALCOHOL \*OC; STEARYLOL \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 112-92-5  
[04] PARAFFIN-WAX \*OC; PARAFFINW \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 8002-74-2  
[05] PETROLATUM \*OC; PETROLATU \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 8009-03-8  
[06] PROPYLENE-GLYCOL \*OC; PROPYLENE \*RN; FILM \*FT; PLASTICIZER \*FT; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; PENETRATION-ENHANCERS \*FT; OC \*FT

CAS REGISTRY NO.: 57-55-6  
[07] POLYETHYLENE-GLYCOL \*OC; CARBOWAX-1500 \*OC; CARBOWAX-4000 \*OC; PEG \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 25322-68-3  
[08] PARAFFIN-LIQUID \*OC; PARAFFINL \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; LAXATIVES \*FT; ADJUVANTS \*FT; OC \*FT

CAS REGISTRY NO.: 8012-95-1  
[09] SPERMACETI \*OC; SPERMACET \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 8002-23-1  
[10] SODIUM-BORATE \*OC; NABO4 \*RN; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

[11] PVM-MA \*OC; GANTREZ-119 \*OC; GAF \*FT; PVM-MA \*RN; FILM \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 9011-16-9  
[12] CELLULOSE-ETHYL \*OC; HERCULES \*FT; CELLULOET \*RN; FILM \*FT; AUXILIARY-INGREDIENT \*FT; OC \*FT

CAS REGISTRY NO.: 9004-57-3  
[13] LEMON-OIL \*OC; LEMON-OIL \*RN; FILM \*FT; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; PENETRATION-ENHANCER \*FT; ESS.OIL \*FT; OC \*FT

CAS REGISTRY NO.: 8008-56-8  
[14] EUCALYPTOL \*OC; EUCALYPTO \*RN; FILM \*FT; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; PENETRATION-ENHANCER \*FT; PHARM.PREP. \*FT; ANTISEPTICS \*FT; EXPECTORANTS \*FT; ANTITUSSIVES \*FT; ANTHELMINTICS \*FT; OC \*FT

CAS REGISTRY NO.: 470-82-6  
[15] EUCALYPTUS-OIL \*OC; EUCALYOIL \*RN; FILM \*FT; OINTMENT \*FT; AUXILIARY-INGREDIENT \*FT; PENETRATION-ENHANCER \*FT; ESS.OIL

\*FT; OC \*FT  
CAS REGISTRY NO.: 8000-48-4  
[16] CHENOPODIUM-OIL \*OC; CHENOPOIL \*RN; FILM \*FT; OINTMENT \*FT;  
AUXILIARY-INGREDIENT \*FT; PENETRATION-ENHANCER \*FT; ESS.OIL  
\*FT; OC \*FT  
CAS REGISTRY NO.: 8006-99-3  
FIELD AVAIL.: AB; LA; CT; MPC  
FILE SEGMENT: Literature

L161 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2003:334915 CAPLUS  
DOCUMENT NUMBER: 138:358458  
TITLE: Preparation of pharmaceutical compositions for topical  
delivery of cyclooxygenase-2 inhibitors  
INVENTOR(S): Kumar, Mukesh; Singla, Ajay Kumar; Kumar, Shirumalla  
Raj; Arora, Vinod Kumar; Malik, Rajiv  
PATENT ASSIGNEE(S): Ranbaxy Laboratories Limited, India  
SOURCE: PCT Int. Appl., 30 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003035080	A2	20030501	WO 2002-IB4401	20021023
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
WO 2002017923	A1	20020307	WO 2001-IB1557	20010828
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			WO 2001-IB1557	A 20010828
			IN 2001-DE1073	A 20011023
			IN 2000-DE779	A 20000829
AB	A pharmaceutical compn. for topical delivery comprises drug that act selectively as a cyclooxygenase-2 inhibitors. The compn. provides better percutaneous absorption and enhanced efficacy. Thus, a compn. contained celecoxib 5.0, Carbopol-940 1.2, PEG-400 12.5, propylene glycol 5.0, Labrasol 5.0, EtOH 7.5, Cremophor RH40 0.5, triethanolamine 1.0, phenoxyethanol 1.0, fragrance 0.34, and water to 100%.			
IT	57-55-6, Propylene glycol, biological studies 9002-18-0, Agar 76050-42-5, Carbopol 940			
RL:	THU (Therapeutic use); BIOL (Biological study); USES (Uses)			



(prepn. of pharmaceutical compns. for topical delivery of  
cyclooxygenase-2 inhibitors)

L161 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2003:550074 CAPLUS  
DOCUMENT NUMBER: 139:106118  
TITLE: Triple-phase systems for use as bath oils  
INVENTOR(S): Miller, Dennis; Henning, Torsten  
PATENT ASSIGNEE(S): Clariant G.m.b.H., Germany  
SOURCE: Eur. Pat. Appl., 7 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1327439	A2	20030716	EP 2003-180	20030107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
DE 10200724	A1	20030724	DE 2002-10200724	20020111
JP 2003226610	A2	20030812	JP 2003-4254	20030110

PRIORITY APPLN. INFO.: DE 2002-10200724 A 20020111

AB Triple-phase systems are disclosed which contain (a) a polyethyleneglycol phase contg. 50-100 wt.-% of at least one polyethyleneglycol and 0-50 wt.-% **water** and (b) an oil phase and (c) a microemulsion phase contg. (1) the components of the polyethyleneglycol phase (a), (2) the components of the oil phase (b), and (3) at least one surfactant. The triple-phase systems are thermodynamically stable and are suitable for use in cosmetics, esp. as bath oils.

IT **57-55-6**, Propyleneglycol, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(triple-phase systems for use as bath oils)

L161 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:569717 CAPLUS  
DOCUMENT NUMBER: 135:151715  
TITLE: Cultured plant cell gums for food, pharmaceutical, cosmetic and industrial applications  
INVENTOR(S): Clarke, Adrienne Elizabeth; Bacic, Antony; Lane, Alan Gordon  
PATENT ASSIGNEE(S): Bio Polymers Pty. Ltd., Australia  
SOURCE: U.S., 31 pp., Cont.-in-part of U.S. 5,747,297.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 4  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6271001	B1	20010807	US 1998-72568	19980505
US 5747297	A	19980505	US 1995-409737	19950323
US 6350594	B1	20020226	US 1999-433857	19991104

PRIORITY APPLN. INFO.:  
US 1995-409737 A2 19950323  
AU 1987-556 A 19870226  
AU 1987-4502 A 19870922  
US 1989-415263 A2 19891025  
US 1992-920688 B2 19920728  
US 1998-72568 A1 19980505

AB Certain cultured plant cell gums, including those produced in suspension culture of plant cells of plants of the family Aizoaceae are described.

Plant cell gums of plants of the genus Mesembryanthemum are specifically provided. Also described are the methods of using these cultured plant cell gums in the manuf. of food products, pharmaceuticals and veterinary products, cosmetics and other industrial products, such as paper, adhesive, ink, textiles, paint, ceramics, explosives, cleaning agents or detergents, products for firefighting, agricultural chems. including pesticides and fungicides, for oil and gas prodn., and in photog., lithog., and other industries are described. Food, pharmaceutical, veterinary, industrial and cosmetic compns. contg. certain cultured plant cell gums are also described. Plant cell gums can be employed as substitutes for plant exudate and ext. gums and other known emulsifying, viscosifying and gelling agents.

IT 57-55-6, Propylene glycol, uses

RL: MOA (Modifier or additive use); USES (Uses)

(industrial pharmaceutical and cosmetics applications for cultured plant cell gums)

REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L161 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1992:150443 CAPLUS

DOCUMENT NUMBER: 116:150443

TITLE: Activated ascorbic acid antioxidant compositions and carotenoids, fats, and foods stabilized therewith

INVENTOR(S): Todd, Paul H., Jr.

PATENT ASSIGNEE(S): Kalamazoo Holdings, Inc., USA

SOURCE: PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9200019	A1	19920109	WO 1991-US4503	19910624
W: JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
US 5084293	A	19920128	US 1990-544248	19900626
EP 536257	A1	19930414	EP 1991-912368	19910624
EP 536257	B1	19950524		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05509115	T2	19931216	JP 1991-511949	19910624
CA 2045416	AA	19911227	CA 1991-2045416	19910625
PRIORITY APPLN. INFO.:			US 1990-544248	19900626
			WO 1991-US4503	19910624

AB An activated ascorbic acid product with increased antioxidant activity, esp. in fats, oils, and fatty foods comprises ascorbic acid in a soln. of propylene glycol or a nonionic surface-active agent. The nonionic surface-active agent is selected from mono- and diglycerides; polyglyceride esters of fatty acids; mono- and diglycerides further esterified with citric or lactic acid; acetylated mono- and diglycerides further esterified with citric or lactic acid; sorbitan esters of fatty acids; and propylene glycol esters of fatty acids. The ascorbic acid is dissolved in the surface-active agent in the presence of a solubilizing medium, i.e. MeOH, EtOH, iPrOH, or water, then the solubilizing medium is removed. The ascorbic acid product may addnl. contain a natural antioxidant selected from Labiatae ext., tea ext., and tocopherol. In these products, the antioxidant activity of the components is synergistic. An antioxidant was prepd. by dissolving ascorbic acid in MeOH-H<sub>2</sub>O and adding this soln. to glycerol monooleate. The solvent mixt. was removed by rotary evapn. at 70.degree.. The resulting antioxidant product was more effective than ascorbyl palmitate and rosemary in preventing oxidn.

of soybean oil.  
IT 57-55-6, Propylene glycol, properties  
RL: PRP (Properties)  
(ascorbic acid in, antioxidant activity of)

L161 ANSWER 9 OF 17 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 2001-528779 [58] WPIDS  
CROSS REFERENCE: 2000-328190 [28]; 2001-210099 [08]; 2002-153828 [13]  
DOC. NO. CPI: C2001-157655  
TITLE: Alkaline cleaning and disinfecting composition for hard  
surfaces includes both a quaternary ammonium disinfectant  
and a dicarboxylate sequestrant.  
DERWENT CLASS: D22 D25 E19  
INVENTOR(S): KUPNESKI, M J  
PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
US 6277805	B1	20010821	(200158)*		9	C11D001-62	

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 6277805	B1 CIP of	US 1993-155985	19931122
	Cont of	US 1995-412422	19950329
		US 1997-841097	19970429

## FILING DETAILS:

PATENT NO	KIND	PATENT NO
US 6277805	B1 CIP of	US 5435935

PRIORITY APPLN. INFO: US 1995-412422 19950329; US 1993-155985  
19931122; US 1997-841097 19970429

## INT. PATENT CLASSIF.:

MAIN: C11D001-62

## BASIC ABSTRACT:

US 6277805 B UPAB: 20020402

NOVELTY - An alkaline cleaning composition comprises the combination of a quaternary ammonium disinfectant and a dicarboxylate sequestrant

DETAILED DESCRIPTION - An alkaline liquid, hard surface cleaning and disinfecting composition of pH 7.5-13 comprises:

(a) 0.001-2.5 wt.% of a hard **water** sequestrant of formula (I);

(b) 0.005-10 wt.% of a quaternary ammonium disinfectant;

(c) 0.001-15 wt.% of a zwitterionic and/or nonionic detergent surfactant;

(d) 15-98 wt.% **water**; and

(e) 0-60 wt.% of an organic solvent having a hydrogen bonding parameter of less than about 7.7;

R = H or OH, provided that at least one is OH;

M = H or ammonium; and

x = 1-4.

USE - Hard surface cleaning and disinfecting composition.

ADVANTAGE - The composition exhibits no precipitate after storage for 72 hours at 120 deg. F. It can be prepared as a dry formulation. The

cleaned hard-surface does not require rinsing and exhibits very little streaking or filming.

Dwg.0/0

FILE SEGMENT: CPI  
 FIELD AVAILABILITY: AB; GI; DCN  
 MANUAL CODES: CPI: D09-A01; D11-A03; D11-A04; D11-A12; D11-B06;  
 D11-B16; D11-D01B; D11-D07; E10-A09B8; E10-A22A;  
 E10-A22G; E10-C02F; E10-E04L

L161 ANSWER 10 OF 17 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
 ACCESSION NUMBER: 2001-182376 [18] WPIDS  
 DOC. NO. CPI: C2001-054289  
 TITLE: Lipid particles based on matrix comprising solid and  
 liquid lipid, useful in diagnostics and for controlled  
 release of active agents, especially pharmaceuticals.  
 DERWENT CLASS: A96 B07 D21  
 INVENTOR(S): JENNING, V; LIPPACHER, A; MAEDER, K; MUELLER, R H;  
 MUELLER, R; MADER, K; MULLER, R H  
 PATENT ASSIGNEE(S): (PHAR-N) PHARMASOL GMBH; (DDSD-N) DDS DRUG DELIVERY  
 SERVICE GES FOERDERUNG  
 COUNTRY COUNT: 93  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2000067728	A2	20001116	(200118)*	GE	85	A61K009-16
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL						
OA PT SD SE SL SZ TZ UG ZW						
W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ						
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK						
LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI						
SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW						
AU 2000049179	A	20001121	(200118)			A61K009-16
DE 19938371	A1	20010222	(200118)			A61K009-10
DE 19945203	A1	20001221	(200118)			A61K009-10
EP 1176949	A2	20020206	(200218)	GE		A61K009-16
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT						
RO SE SI						
BR 2000010354	A	20020305	(200225)			A61K009-16
KR 2002011985	A	20020209	(200257)			A61K009-16
ZA 2001008794	A	20020925	(200275)		117	A61K000-00
JP 2002544155	W	20021224	(200313)		81	A61K009-16

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000067728	A2	WO 2000-EP4112	20000508
AU 2000049179	A	AU 2000-49179	20000508
DE 19938371	A1	DE 1999-19938371	19990809
DE 19945203	A1	DE 1999-19945203	19990921
EP 1176949	A2	EP 2000-931138	20000508
		WO 2000-EP4112	20000508
BR 2000010354	A	BR 2000-10354	20000508
		WO 2000-EP4112	20000508
KR 2002011985	A	KR 2001-714237	20011107
ZA 2001008794	A	ZA 2001-8794	20011025
JP 2002544155	W	JP 2000-616755	20000508
		WO 2000-EP4112	20000508

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO
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AU 2000049179 A Based on WO 2000067728  
EP 1176949 A2 Based on WO 2000067728  
BR 2000010354 A Based on WO 2000067728  
JP 2002544155 W Based on WO 2000067728

PRIORITY APPLN. INFO: DE 2000-10016357 20000331; DE 1999-19921034  
19990507; DE 1999-19938371 19990809; DE  
1999-19945203 19990921

## INT. PATENT CLASSIF.:

MAIN: A61K000-00; A61K009-10; A61K009-16  
SECONDARY: A01N025-04; A01N025-12; A01N025-30; A01N031-02;  
A01N037-10; A01N037-18; A01N065-00; A61K007-00;  
A61K007-42; A61K009-06; A61K009-26; A61K009-28;  
A61K009-50; A61K033-24; A61K033-26; A61K038-00;  
A61K047-02; A61K047-10; A61K047-12; A61K047-14;  
A61K047-16; A61K047-20; A61K047-26; A61K047-28;  
A61K047-34; A61K047-38; A61K047-42; A61K047-44;  
A61P017-16; A61P043-00; G01N021-78

## BASIC ABSTRACT:

WO 200067728 A UPAB: 20010402

NOVELTY - Lipid particles having a mixed matrix of solid and liquid particles are new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(A) lipid particle dispersions with a 30-95 wt.% content of lipid particles or solids (lipid and stabilizer); and

(B) the preparation of the lipid particles and dispersions.

USE - The particles are useful for the controlled release of active agents, e.g. medicaments, cosmetic agents, e.g. perfumes, plant protectants, e.g. pyrethroids or proxopur, food additives, wood preservatives, insect repellents, e.g. **citrus oil** or dibutyl phthalate, and diagnostic reagents, e.g. radioactive isotopes or fluorescent dyes. Particles which do not contain active agents are useful as diagnostics in magnetic resonance tomography. The dispersions can be used for the production of e.g. granulates, tablets, pellets, capsules, and lyophilisates or can be used directly in the form of creams, ointments, lotions or **gels**. They can also, be used for polishing or coating tablets and dragees.

ADVANTAGE - The dispersions have a high lipid content and are free flowing. Processing to commercial products requires removal of only small amounts of **water**, is simple and results in reduced costs and operating time.

Dwg.0/17

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: A12-V03C2; B04-C01; B04-E01; B04-J01; B05-A03B;  
B12-K04C; D08-B12

L161 ANSWER 11 OF 17 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-049649 [06] WPIDS

DOC. NO. CPI: C2001-013548

TITLE: Composition for treating human, animal or plants having parasitic infestation, comprises essential oil of **Salvia**, **Artemisia**, **Citrus**, **Juniperus**, **Laurus**, **Myristica**, **Origanum**, **Piper** or **Aloysia**.

DERWENT CLASS: A96 B04 C05 D21 D22 F06

INVENTOR(S): WILKINSON, J A

PATENT ASSIGNEE(S): (WILK-I) WILKINSON J A

COUNTRY COUNT: 93

PATENT INFORMATION:

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PATENT NO    KIND    DATE    WEEK    LA    PG    MAIN    IPC  
-----

WO 2000064265 A2 20001102 (200106)\* EN 50 A01N065-00  
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
 OA PT SD SE SL SZ TZ UG ZW  
 W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ  
 EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
 LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI  
 SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 AU 2000044204 A 20001110 (200109) A01N065-00  
 EP 1185178 A2 20020313 (200225) EN A01N065-00  
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
 RO SE SI

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000064265	A2	WO 2000-GB1589	20000425
AU 2000044204	A	AU 2000-44204	20000425
EP 1185178	A2	EP 2000-925479	20000425
		WO 2000-GB1589	20000425

## FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000044204	A Based on	WO 2000064265
EP 1185178	A2 Based on	WO 2000064265

PRIORITY APPLN. INFO: GB 1999-9469 19990423

## INT. PATENT CLASSIF.:

MAIN: A01N065-00  
 SECONDARY: A01N025-02; A01N025-04; A61K007-20; A61K035-78

## BASIC ABSTRACT:

WO 200064265 A UPAB: 20010126

NOVELTY - A composition for treating human or animal infected with parasitic infestation comprises essential oil in a **gel** carrier.

The essential oil is obtained from the genera **Salvia**, **Artemisia**, **Citrus**, **Juniperus**, **Laurus**, **Myristica**, **Origanum**, **Piper** or **Aloysia**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) a composition comprising the above essential oil(s) in an aqueous alcoholic vehicle or alcohol/vegetable oil mixture (both comprising 0.1-20 vol.% alcohol);

(2) a composition comprising an essential oil obtained from plant of the genus **Petergonium**, **Cymbopogon**, **Pimpinella**, **Myrtus** (cretian, morrocan, organe), **Lavandula**, **Pinus**, **Melaleuca**, **Cinnamomum**, **Apium**, **Thymus**, **Hyssopus**, **Rosmellus**, **Cananga**, **Mentle**, **Eucalyptus** or **Vitex**;

(3) a composition comprising the alkaloid **galanthamine** for use in the treatment of humans or animals having a parasitic insect infection; and

(4) a composition comprising a **gel** carrier and terpenes and/or terpenoids having insecticidal activity (according to data given in the specification) useful for treating human, animals, clothing and furnishings and plants with parasitic infection.

ACTIVITY - Anti parasitic.

The activity of composition against human parasitic lice was evaluated by dissolving **sage** essential oil in **isopropyl alcohol** and in a carrier oil as an inert (control). The LD50 of the essential oil in carrier oil was 250-300 mg ml-1. In **isopropyl alcohol** (20 vol.%) in **water**, the LD50 value was 3-4 mg ml-1.

MECHANISM OF ACTION - None given.

USE - For treating human or animal having parasitic insect infestation and also for treating plants, furnishing or clothings (claimed). Parasitic insects are lice, lice eggs, mites, fleas or

parasites associated with blow fly strike such as head lice (*Pediculus humanus capitis*, Syn. *P. capitis*), clothing lice (*Pediculus humanus humanus* syn. *P. corporis*), pubic lice (*Phthirus pubis*), biting lice (*Bovicula ovis*), scab mite (*Psoroptes ovis*), ear mite (*Psoroptes cuniculi*), dust mites (*Dermatophagoides*), pig mites, cat fleas (*Ctenocephalides felis*), dog fleas (*Ctenocephalides canis*), horse fleas, *Lucilia* and *Chrysomya* sp. The insects that affect plants may be *Aphis*, *Chilo*, *Dysderus*, *Megoura*, *Musca*, *Pieris*, *Nilaparvata*, *Nephotettix*, *Tetranychus*, *Trialeurodes*, *Thysanoptera* or *Lepidoptera*.

ADVANTAGE - The terpenes are more effective in killing parasites at low concentration. The composition is pleasant to use effective with less toxicity without any side effects or adverse effects.

Dwg.0/10

FILE SEGMENT: CPI  
 FIELD AVAILABILITY: AB; DCN  
 MANUAL CODES: CPI: A12-V01; A12-V04A; B04-B01C1; B06-E05; B14-B04A; B14-B04B; C04-B01C1; C06-E05; C14-B04A; C14-B04B; D08-B04; D08-B09; D09-A01; D09-E; F03-C02B

L161 ANSWER 12 OF 17 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
 ACCESSION NUMBER: 1999-564020 [48] WPIDS  
 DOC. NO. CPI: C1999-164687  
 TITLE: New aqueous concentrated liquid composition useful for cleaning hard surfaces, comprises botanical oil, solubilising surfactant, binary solvent and water  
 DERWENT CLASS: A25 A95 A97 D25 E19  
 INVENTOR(S): CHEUNG, T W; SMIALOWICZ, D T  
 PATENT ASSIGNEE(S): (RECK) RECKITT & COLMAN INC; (RECK) RECKITT BENCKISER INC  
 COUNTRY COUNT: 85  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
GB 2336374	A	19991020	(199948)*		25	C11D003-20	
WO 9953011	A1	19991021	(199952)	EN		C11D011-00	
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL							
OA PT SD SE SL SZ UG ZW							
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD							
GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV							
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT							
UA UG US UZ VN YU ZA ZW							
AU 9930104	A	19991101	(200013)			C11D011-00	
US 6140284	A	20001031	(200057)			C11D003-50	
US 6177388	B1	20010123	(200107)			C11D003-50	
EP 1071740	A1	20010131	(200108)	EN		C11D011-00	
R: DE ES FR GB IT							
GB 2353536	A	20010228	(200113)			C11D011-00	
GB 2353536	B	20020904	(200266)			C11D011-00	

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
GB 2336374	A	GB 1999-7209	19990330
WO 9953011	A1	WO 1999-US5962	19990318
AU 9930104	A	AU 1999-30104	19990318
US 6140284	A	US 1999-266036	19990311
US 6177388	B1 CIP of	US 1999-266036	19990311
		US 1999-391714	19990908
EP 1071740	A1	EP 1999-911466	19990318
		WO 1999-US5962	19990318
GB 2353536	A	WO 1999-US5962	19990318

GB 2353536	B	GB 2000-26893	20001103
		WO 1999-US5962	19990318
		GB 2000-26893	20001103

## FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 9930104	A	Based on	WO 9953011
EP 1071740	A1	Based on	WO 9953011
GB 2353536	A	Based on	WO 9953011
GB 2353536	B	Based on	WO 9953011

PRIORITY APPLN. INFO: GB 1998-7657 19980414

## INT. PATENT CLASSIF.:

MAIN: C11D003-20; C11D003-50; C11D011-00  
SECONDARY: C11D003-26; C11D003-382; C11D003-43; C11D007-50;  
C11D009-44  
ADDITIONAL: C11D001-75

## BASIC ABSTRACT:

GB 2336374 A UPAB: 20030111

NOVELTY - An aqueous concentrated liquid hard surface cleaning composition which blooms when added to a larger volume of **water** comprising a botanical oil, a solubilising surfactant, a binary solvent and **water**, is new.

DETAILED DESCRIPTION - An aqueous concentrated liquid hard surface cleaning composition which blooms when added to a larger volume of **water** comprises:

- (a) a botanical oil;
- (b) at least one botanical oil solubilising surfactant;
- (c) a binary solvent system including at least one organic alcohol and at least one glycol solvent; and
- (d) **water**.

The composition may further include:

- (i) a polyoxycarboxylate;
- (ii) a chelating agent which includes at least one non-ionised acetate group, preferably an amine oxide; and
- (iii) at least one chelating agent, colouring agent, light stabiliser, fragrance, thickener, hydrotone, pH-adjusting agent, pH buffer and/or deterative surfactants (preferably nonionic and amphoteric surfactants).

USE - For cleaning hard surfaces (claimed) e.g. tiles, bricks, porcelain, ceramics, stone, glass, metals, plastics and fibreglass, in kitchens and bathrooms.

ADVANTAGE - The composition exhibits good blooming characteristics, has good long term stability in its concentrated form and does not contain pine oil which has a pungent odour and leaves a sticky residue on hard surfaces.

Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: A05-H01B; A12-W12B; D11-A02B; D11-B06; D11-B12;  
D11-B16; D11-B19; D11-B23; E04-A; E10-A03; E10-E04H;  
E10-E04L

L161 ANSWER 13 OF 17 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 1995-371083 [48] WPIDS  
DOC. NO. CPI: C1995-160850  
TITLE: Liq. disinfectant for e.g skin - comprises p-oxy benzoic ester, alcohol cpd. and humectant..  
DERWENT CLASS: C03  
PATENT ASSIGNEE(S): (HISH-I) HISHIDA I  
COUNTRY COUNT: 1



## PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
JP 07252105	A	19951003	(199548)*		9	A01N037-40	
JP 2540777	B2	19961009	(199645)		8	A01N037-40	

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 07252105	A	JP 1994-43698	19940315
JP 2540777	B2	JP 1994-43698	19940315

## FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 2540777	B2 Previous Publ.	JP 07252105

PRIORITY APPLN. INFO: JP 1994-43698 19940315

## INT. PATENT CLASSIF.:

MAIN: A01N037-40  
SECONDARY: A01N025-02  
INDEX: A01N031:04, A01N037-

## BASIC ABSTRACT:

JP 07252105 A UPAB: 19951204

Disinfectant, comprises 0.01% or more of a parahydroxybenzoic ester, 5% or more of an alcohol, opt. 0.1% or more of a humectant and opt. water.

USE - The disinfectant is useful for disinfecting fingers, hands, skin, or instrument, floor, wall etc.

ADVANTAGE - The disinfectant has high sterilizing power and effective for MRSA as well. It has an immediate effect and the effect can last for a long time. It does not irritate skin, has low toxicity, no taste, no smell and is stable under ordinary sunlight or normal temperature.

PREFERRED CONDITIONS - The parahydroxybenzoic ester is pref selected from e.g. methyl parahydroxybenzoate, butyl parahydroxybenzoate (most pref), benzyl. The alcohol is pref ethanol or **isopropanol**, and the humectant is pref selected from olive **oil**, **orange oil**, sesame **oil**, palm oil, beef tallow, carnauba wax, paraffin, vaseline, stearic acid stearyl alcohol, and **propylene glycol**.

EXAMPLE - Butyl parahydroxybenzoate, ethanol, and propylene disinfectant of the present invention. Butyl parahydroxybenzoate 0.05 ethanol 70 **propylene glycol** 30.  
Dwg.0/0

FILE SEGMENT: CPI  
FIELD AVAILABILITY: AB; DCN  
MANUAL CODES: CPI: C10-G02; C14-A01

L161 ANSWER 14 OF 17 USPATFULL on STN

ACCESSION NUMBER: 2003:158969 USPATFULL

TITLE: Insect repellent comprising essential volatile oils and use thereof

INVENTOR(S): Willis, Mark T., Goetzville, MI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003108582	A1	20030612

APPLICATION INFO.: US 2001-946427 A1 20011210 (9)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Mark T. Willis, 12941 E. Townline Road, Goetzville, MI,  
49736  
NUMBER OF CLAIMS: 8  
EXEMPLARY CLAIM: 1  
LINE COUNT: 204

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition that has insect repellent properties is made from essential volatile oils. The inventive composition includes a combination of menthol, eucalyptus oil, citronella oil and/or tea tree oil, alcohol, water and skin moisturizing components. Menthol in crystal or liquid form. Essential oil of eucalyptus. Essential oil of citronella and/or tea tree oil. Isopropyl alcohol, grain alcohol or any other type of distilled alcohol. Deionized, distilled or any other type of sterile water. Skin conditioning oils including but not limited to mineral oil, jojoba oil, glycerin, Vitamin E. The topical composition can be formulated as a solution, suspension, cream, ointment, gel, film or spray.

L161 ANSWER 15 OF 17 USPATFULL on STN

ACCESSION NUMBER: 2002:322097 USPATFULL  
TITLE: Anti-inflammatory agents and methods for their preparation and use  
INVENTOR(S): Mak, Vivien H.W., Palo Alto, CA, UNITED STATES  
Francoeur, Michael L., Cupertino, CA, UNITED STATES  
Chavdarian, Charles G., San Ramon, CA, UNITED STATES  
Parks, Thomas P., San Mateo, CA, UNITED STATES  
Lee, Jung-Chung, Sunnyvale, CA, UNITED STATES  
Lee, Charles, Union City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Cellegy Pharmaceuticals, Inc., South San Francisco, CA,  
94080 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002182260	A1	20021205
APPLICATION INFO.:	US 2002-96968	A1	20020311 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-322138, filed on 28 May 1999, PENDING Continuation-in-part of Ser. No. US 1998-87744, filed on 29 May 1998, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834		
NUMBER OF CLAIMS:	75		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	33 Drawing Page(s)		
LINE COUNT:	3449		
AB	This invention provides concentrated inflammation modifiers obtained from various plant, animal, and mineral sources, and methods for the preparation of such concentrated inflammation modifiers. Also provided are methods of preventing and treating inflammation using the concentrated inflammation modifiers. The invention also provides methods of treating inflammation of the skin and mucosal membranes by administering compositions that contain concentrated inflammation modifiers as active ingredients. The methods are useful for treating inflammatory diseases, as well as for reducing or eliminating inflammation that results from transdermal delivery of a drug, or from cosmetics and skin care products. The concentrated inflammation modifiers and methods are also useful for enhancing wound healing and skin aging.		

L161 ANSWER 16 OF 17 USPATFULL on STN

ACCESSION NUMBER: 2002:48066 USPATFULL  
TITLE: Compositions and methods for treating baldness  
INVENTOR(S): Catalfo, Chris, Orlando, FL, UNITED STATES  
Mussari, Fred, Melbourne, FL, UNITED STATES  
Perry, Stephen H., Longwood, FL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002028257	A1	20020307
	US 6596266	B2	20030722
APPLICATION INFO.:	US 2001-789294	A1	20010220 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-183553P	20000218 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Timothy H. Van Dyke, Bencen & Van Dyke, P.A., 1630 Hillcrest Street, Orlando, FL, 32803	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	541	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are novel compositions and/or formulations containing minoxidil as an active ingredient in combination with other active agents and/or enhancer agents (e.g., saw palmetto extract and nettle root extract) which increase the hair growth capability of the composition. Also disclosed are methods of using the novel compositions to treat male patterned baldness and to stimulate hair growth on the scalp, including both the apex and frontal regions of the scalp.

L161 ANSWER 17 OF 17 USPATFULL on STN

ACCESSION NUMBER: 1999:124474 USPATFULL  
TITLE: Insect repellent composition and method for inhibiting the transmission and treatment of symptoms of vector-borne diseases  
INVENTOR(S): Petrus, Edward J., Austin, TX, United States  
PATENT ASSIGNEE(S): Advanced Medical Instruments, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5965137		19991012
APPLICATION INFO.:	US 1998-192421		19981116 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Witz, Jean C.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	439		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A topical composition for the delivery of bio-affecting agents through the protective outer layer of skin into the underlying tissues and into the general circulation to prevent the causes and symptoms of vector-borne diseases. The transdermal penetration is achieved by the use of an essential volatile oil with insect repellent capabilities, such as eucalyptus oil. The bio-affective agents may be a combination of a zinc salt and form of vitamin A. A zinc salt may also be used for photoprotective purposes. The topical composition can be formulated as a solution, suspension, cream, ointment, gel, film or spray.

FILE 'HOME' ENTERED AT 11:43:02 ON 28 AUG 2003